TARATEL

PRODUCT CATALOG 2026



MAKE A CONNECTION WITH TARATEL

TARATEL
TELECOM SUPPLIES TRADING





COMPANY PROFILE

Taratel Telecom Supplies Trading is a specialized trading and services company that is headquartered in San Roque, Marikina City, Philippines. Taratel is a leading authorized dealer of high-quality telecom equipments such as Comway, Inno, and Tekcn fusion machine splicers; Yokogawa, Deviser, and Honserv OTDR.

We also distribute a wide variety of fiber optic tools and supply structured cabling, copper and fiber optic cables, data cabinets and accessories driving the construction and modernization of networks.

We established longer and closer working relationships with our clients and suppliers not only provide immediate and reliable services but to continually exceed expectations and goals. Taratel is committed to deliver at least three economic gains: new and improved products and services, lower prices and additional investment.

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TELECOM SUPPLIES TRADING

MAKE A CONNECTION WITH US

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TABLE OF CONTENTS

FUSION MACHINES	PAGE
TEKCN SUPER-X	2
TEKCN TC-400	6
TEKCN TC-600	10
TEKCN TC-600M	14
COMWAY A33	16
COMWAY C7	18
COMWAY C10R	20
INNO I4	22
INNO VIEW 8X	24
INNO VIEW 5 PRO	28
INNO 12R	31
INNO VIEW 3	33
INNO M7	35
INNO M9	38
INNO A3	41
FUJIKURA 35S	44
FUJIKURA 45S	48
FUJIKURA 90S+	52
FUJIKURA 90R12	56
SUMITOMO TYPE-82C+	60
SUMITOMO TYPE-72M1:	64
SUMITOMO T-502S	67
SUMITOMO T-402S	70
SKYCOM T-207H	73
SKYCOM T-307	75
FIBER CLEAVERS	
TEKCN C-35	80
TEKCN C-30	82
TEKCN C-36	84
TEKCN C-20	86
COMWAY CC-03	88
COMWAY C108	90
COMWAY C109	92
HNHC HY-30	94
FC-6S	96
OTDR	
HONSERV HSV-110D SM	99
HONSERV HSV-100D LIVE	101
HONSERV HSV-100D	103
HONSERV HSV-100	106
HONSERV HSV-600 SERIES	109
DEVISER AE3100A~M SERIES	116
DEVISER AE1001	119
YOKOGAWA AQ1210A	121

YOKOGAWA AQ1000 125
COMWAY MAX-600 SERIES 128
EXFO MAX-715D SERIES 131
EXFO MAX -720D SERIES 137
TRTL FFS-2100-AB35 143
TRTL FFS-2100-SM32 147
TRTL FFS1100-M24 151
NOVKER H430 154
NOVKER NK6200 158
VIAVI SMART OTDR 161
ELOIK ALK-7000 166
LINKIQ INDUSTRIAL ETHERNET CABLE NETWORK TESTER 169

OPTICAL POWER METER & LIGHT SOURCE

HONSERV HSV-300P 173
HONSERV HSV-300L 175
HONSERV HSV-300N 177
HONSERV HSV-200P 180
TEKCN TC-100 182
TEKCN TC-102 184
COMPTYCO AUA-G710A 187
NOVKER NK308 189

LAUNCH CABLE

SC/APC-SC/APC 192
SC/UPC-SC/UPC 194
LC/APC-LC/APC 196
LC/UPC-LC/UPC OM3 198
SC/UPC-LC/UPC 200
SC/APC-SC/UPC 202
SC/APC-FC/UPC 204
SC/UPC-LC/APC 206

PATCHCORDS & PIGTAILS

SC/UPC 12 COLOR 209
LC/UPC 12 COLOR 210
SC/APC 12 COLOR 211
SC/UPC PIGTAIL 1M 212
LC/UPC PIGTAIL 1M 213
OM3 LC PIGTAIL 1M 214
OM4 LC PIGTAIL 1M 215
SC/APC TO SC/APC 2M 216
LC TO LC (DX SM) 217
OM4 LC to LC (DX/MM) 218
OM3 LC to LC (DX/MM) 219
OM2 LC to LC (DX/MM) 220
SC TO FC (SX/SM) FIBER CABLE 221
OM2 LC PIGTAIL 1M (SX/MM) 222
SC/UPC TO SC/APC 2M (SX/SM) 223
SC TO LC PATCHCORD (DX/SM) 224
SC TO SC PATCHCORD (SX/SM) 225

TARATEL
TELECOM SUPPLIES TRADING

ST OT ST PATCHCORD OM3 226

FIBER PROTECTION BOX/ODF

8C BOX SC/UPC COUPLER 228
FTTH NAP BOX PLC CASETTE 229
24C HORIZONTAL ENCLOSURE 230
FIBER BOX SC/UPC COUPLER 231
SQUARE BOX WITH COUPLER 232
SOLO COUPLER ENCLOSURE 233
FTTH NAP BOX PLC NAICED 234
4C FIBER BOX SC/UPC COUPLER 235
48-PORT FIBER TERMINAL BOX 236
24P FIBER ODF LC/UPC DUPLEX 237
12P FIBER ODF LC/UPC DUPLEX 238
8P FIBER ODF W/OUT COUPLER 239
4P ODF W/ SC/UPC COUPLER 240
FIBER OPTIC PATCH PANEL 243
8P ODF W/ SC/UPC COUPLER 247
4P FIBER ODF W/OUT COUPLER 248
24C DOME ENCLOSURE BOX 249
48C DOME ENCLOSURE BOX 251
12C BOX SC/UPC COUPLER 252

DATA CABINET

V1-4U/1FT (600*450) 254
V1-6U/1FT (600*450) 255
V1-9U/1.5FT (600*600) 256
V1-15U/2FT (600*450) 257
V1-12U/2FT (600*450) 258
V1-18U/3FT (600*600) 259
9U 2P DECK RACK 260
2U DESK MOUNT 261
2U WALL MOUNT OPEN TYPE 262
12U VERTICAL (600*600*150) 263
12U OPEN FRAME RACK 264
22U OPEN BAY RACK 265
32U OPEN BAY RACK 266
42U OPEN BAY RACK 267
22U 600*600 MM GLASS 268
32U 600*800 MM MESH 269
42U 600*800 MM MESH 270
MEDIA CONVERTER RACK 271

FIBER TOOLS

LC FIBER OPTIC CLEANER PEN 273
SC FIBER OPTIC CLEANER PEN 274
THERMAL FIBER STRIPPER 275
OPTICAL F IDENTIFIER W/ VFL 276
HSV-200 FIBER IDENTIFIER 279
OPTICAL FIBER IDENTIFIER 282
VISUAL FAULT LOCATOR 283
RJ45 CRIMPING TOOL 286
FIBER MICROSCOPE 288

MJ-868 WIRE TRACKER 290
YOKOGAWA DIGITAL TESTER 293
INTEGRATED 2 IN 1 SMOKE TEMI 296
TC-700 PIPELINE DETECTOR 300
OPTICAL FIBER STRIPPER 305
OFS FOR 125 MICRON FIBER 306
PT-E11OVP LABEL PRINTER 307
ETCR2100A+ CLAMP TESTER 308
ISP TOOLKIT TC-022 313
FTTH TERMINATION TOOLKIT 314
FIBER CLEANING TOOLKIT 315
OSP TOOLKIT TC-025 316

FIBER OPTIC CABLES

COMLINK ARMOURED MINI 321
FIGURE 8 OUTDOOR (GYTC8S 322
CATEGORY 6 U/UTP CABLE 327
FIBER OPTIC CABLE 12 CORE 330
FIGURE 8 OUTDOOR CABLE 333
FIGURE 8 AERIAL OPTIC CABLE 338
GJYXCH-2G657A2 342

FIBER OPTIC ACCESORIES & CONSUMABLES

COMWAY ELECTRODES 346
SUMITOMO ELECTRODES 347
OTHER ELECTRODES 348
ELECTRODE CLEAN SET 349
COMWAY REPLACEMENT BLADE 350
HYBRID ADAPTORS 351
LC DUPLEX COUPLER 354
SC/APC PLC SPLITTER 1*16 355
SC/UPC PLC SPLITTER 1*16 356

TARATEL
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FUSION MACHINES



TEKCN

TEKCN SUPER-X

PAS ALIGNMENT FUSION SPLICER

- 7 seconds splicing time
- 15 seconds heating time
- Compact and Lightweight
- User-friendly interface





208x137x102(mm), 1.1kg,
1.36kg with battery



4.3 inch 480x272 pixels
display, with touch screen



Double V-groove

TARATEL
TELECOM SUPPLIES TRADING

Standard Package


SUPER-X
Fusion Splicer



Carrying
Case


C-20
Fiber Cleaver



Alcohol
Bottle


Single Fiber
Stripper


Drop Cable
Stripper


AC
Adapter



Extra
Electrodes


Cooling
Tray

Specifications

Fiber alignment	4 Motors PAS Alignment
Applicable fibers	SM(ITU-T G.652), MM(ITU-T G.651), DS(ITU-T G.653), NZ/NZDS(ITU-TG.655), BI(ITU-T G.657)
Cladding diameter	80~150μm
Sheath diameter	100~1000μm
Splice mode storage	100 splice modes
Splice time	SM Fast mode 7s
Heating mode storage	20 heating modes
Heat time	SM Fast mode 15s, adjustable according to different sleeve
Applicable protection sleeve	10~60mm
Splice image	300 imgaes
Splice result	10000 splices(recyclable)
Typical splice loss	0.02dB(SM), 0.01dB(MM), 0.04dB(DSF), 0.04dB(NZDS) and 0.02dB(BI)
Return loss	>>60dB
Splice loss estimation	High-accuracy loss estimation
Operating conditions	Altitude 0~5000m, Humidity 0~95%, Temperature -10~+50 C)
Fiber tensile test force	2N
Viewing methods	Dual-channel high-precision cameras, 4.3 inch bright display screen
Magnification	130X Dual axis view [X & Y]: 300X single axis view (X or Y)
Interface	USB
Electrode life	Approx. 5000 splices
Power supply	AC 100-240V , 50/60Hz
Battery compatibility	4000mAh large Capacity battery, supports 240 splice and heat cycles
Size & Weight	208 x 137 x 101.4mm, 1.1kg (1.36kg with battery)

Structure

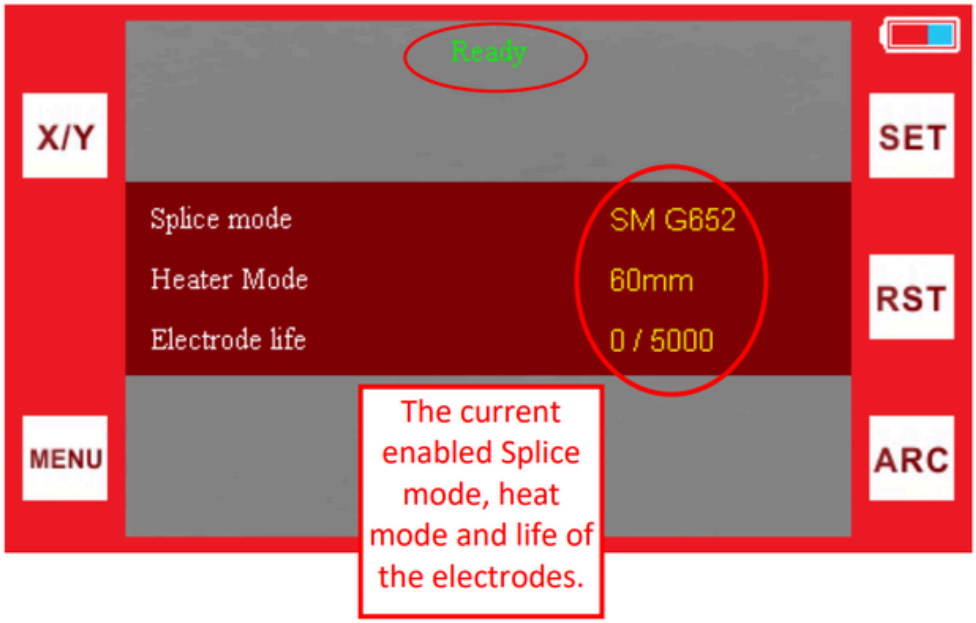


Button Functions

Button	Key Name	Functions
	Power Key	Turn on/off the power
	Heating Key	Start/Stop heating operation
SET	SET Key	Start splicing operation/ Confirm button
RST	Reset Key	Reset the motor position
X=Y	X/Y Key	Change the X/Y images
ARC	ARC Key	Arc discharge manually
	Back Key	Return/cancel menu
	Menu Key	Enter the main menu, move the menu horizontally
	Up Key	Up control key/brightness adjustment shortcut button (working interface)
	Down Key	Down control key/volume adjustment shortcut button (working interface)

Working Interface

Press and hold the **Power key** until the indicator light turns on. The fusion splicer will start up and perform a self-check. Once complete, it will enter the working interface, displaying the status “Ready.”



Navigation Interface

Tap **MENU** from the working interface to access the navigation interface.





TEKCN

TEKCN TC-400

PAS ALIGNMENT FUSION SPLICER



- 6 seconds splicing time
- 16 seconds heating time
- Anti-counterfeit Electrodes
- Best for aerial FTTH projects
- New GPU System, energy saving
- Full HD capacitive touch screen



133 mm x 144 mm x 133 mm, 1.5 kg (1.8 kg including battery)



Waterproof, Dustproof & Windproof



MicroSD and USB port for software upgrade / data management

Standard Package


TC-400 Fusion Splicer


Carrying Case


Fiber Cleaver


Single Fiber Stripper


Drop Cable Stripper



Alcohol Bottle


AC Adapter


Shoulder Strap


Hand Strap


Extra Electrodes


Air-Blowing Ball


Brush


Cooling Tray


Knife

Specifications

Fiber alignment	PAS alignment
Applicable fibers	Single / SMF (G.652/657), MMF (G.651), DSF (G.653), NZDSF (G.655), BI(G.657)
Cladding diameter	80~150μm
Sheath diameter	100~1000μm
Cleave length	8~16mm
Splice mode	Total 100 modes, supports self-defined mode and parameters
Typical splice time	6 sec. SM FAST
Typical splice loss	0.02dB (SM), 0.01dB (MM), 0.04dB (DSF) ,0.04dB (NZDS) and 0.02dB(BI)
Return loss	>>60dB
Heating mode	Max. 20
Heating time	16 sec.
Applicable protection sleeve	10~60mm
Splice result storage	Last 20,000 splices
Splice image storage	Max.800
Viewing methods	2 axis CMOS camera with 4.73” HD color capacitive touchscreen
Magnification	Supports X / Y or both X and Y simultaneously, maximum up to 760X magnification
Port	MicroSD and USB port for software upgrade / data management
Electrode life	Typical 5000 splices
Battery compacity	4000mAh battery, more than 220 times splicing and heating; Standard charging time 3 hours (up to 80% electric quantity in 2 hours)
Power supply	AC100-240V, 50/60Hz
Tension test	2N
Operating condition	Altitude : 0 to 5,000m above sea level, Wind : 15m/sec
Storage condition	Temperature : -10 to 50deg C, Humidity : 0 to 95%RH Humidity : 0 to 95%RH Temperature : -10 to 80deg C(Battery: -10 to 40deg C)
Size / weight	133W x 144D x 133H (mm) / 1.5kg (1.8kg including battery)
GPS(Option)	GPS positioning and tracking system through inbuilt SIM card

Standard Package

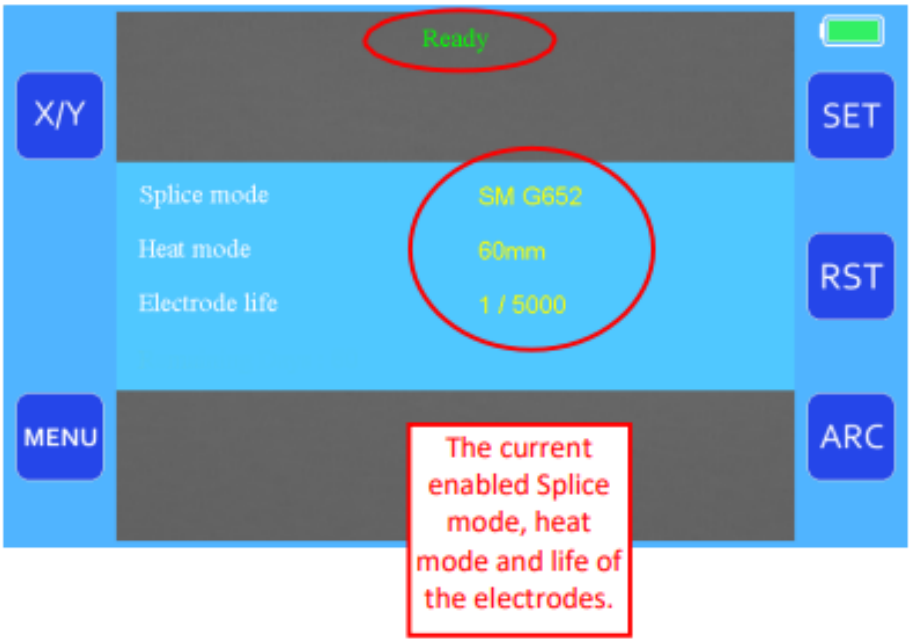


Button Functions

Button	Key Name	Functions
	Power Key	Turn on/off the power
	Heating Key	Start/Stop heating operation
SET	SET Key	Start splicing operation/ Confirm button
RST	Reset Key	Reset the motor position
X/Y	X/Y Key	Change the X/Y images
ARC	ARC Key	Arc discharge manually

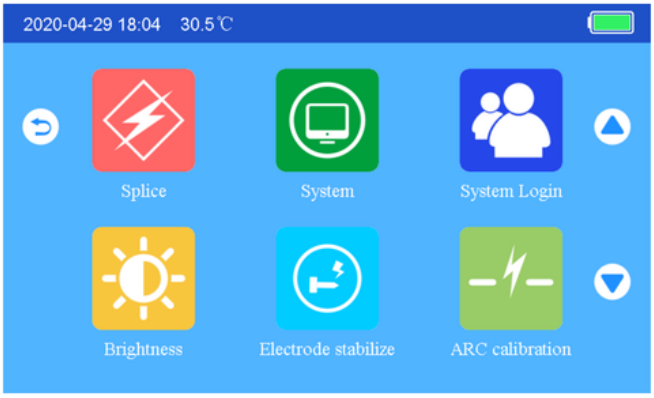
Working Interface

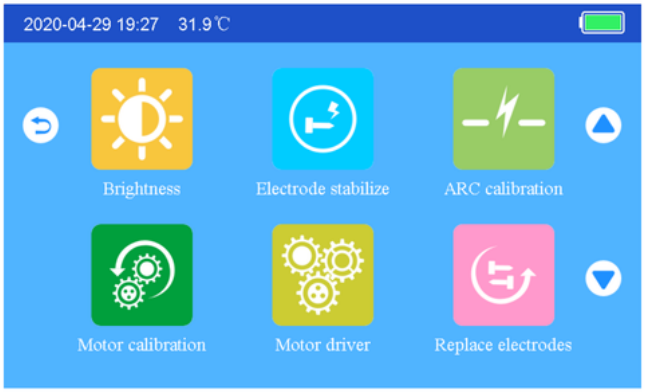
Press and hold the **Power key** until the indicator light turns on. The fusion splicer will start up and perform a self-check. Once complete, it will enter the working interface, displaying the status “Ready.”



Navigation Interface

Tap **MENU** from the working interface to access the navigation interface.





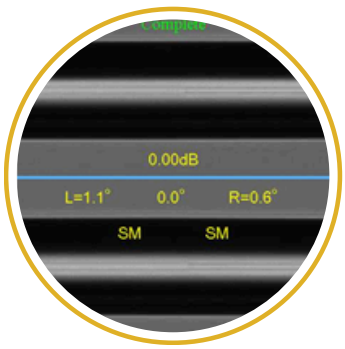
TEKCN

TEKCN
TC-600

6 MOTORS CORE TO CORE ALIGNMENT FUSION SPLICER

- 6 seconds splicing time
- 16 seconds heating time
- Anti-counterfeit Electrodes
- Designed for ultra trunk line, backbone, factory, and more
- Full HD capacitive touch screen
- 5400mAh battery: more than 300 times splicing and heating

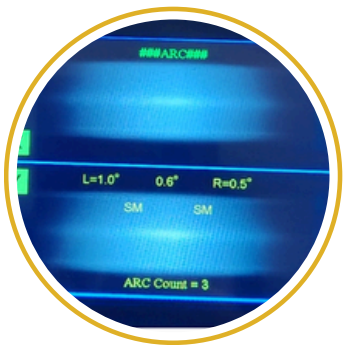




Independent R&D, Truly master fiber core alignment technology



Double V-Groove



High Discharge Contro for SM-SM Fiber and SM-MM Fiber

Standard Package


TC-600 Fusion Splicer


Carrying Case


Fiber Cleaver


Single Fiber Stripper



Alcohol Bottle


AC Adapter


Shoulder Strap


Hand Strap


Extra Electrodes


Air-Blowing Ball


Brush


Cooling Tray


Knife

Specifications

Fiber alignment	6 motors core alignment
Applicable fibers	Single / SMF (G.652/657), MMF (G.651), DSF (G.653), NZDSF (G.655), BI(G.657)
Cladding diameter	80~150μm
Sheath diameter	100~1000μm
Cleave length	8~16mm
Splice mode	Total 100 modes, supports self-defined mode and parameters
Typical splice time	6 sec. SM FAST
Typical splice loss	0.02dB (SM), 0.01dB (MM), 0.04dB (DSF) ,0.04dB (NZDS) and 0.02dB(BI)
Return loss	>>60dB
Heating mode	Max. 20
Heating time	16 sec.
Applicable protection sleeve	10~60mm
Splice result storage	Last 20,000 splices
Splice image storage	Max.800
Viewing methods	2 axis CMOS camera with 4.3” HD color capacitive touchscreen
Magnification	Supports X / Y or both X and Y simultaneously, maximum up to 760X magnification
Port	MicroSD and USB port for software upgrade / data management
Electrode life	Typical 5000 splices
Battery compacity	5400mAh high-capacity battery, supporting continuous splicing and heating for more than 300 times; Standard charging time of 4 hours (3 hours to charge to 80%)
Power supply	AC100-240V, 50/60Hz
Tension test	2N
Operating condition	Altitude : 0 to 5,000m above sea level, Wind : 15m/sec
Storage condition	Temperature : -10 to 50deg C, Humidity : 0 to 95%RH Humidity : 0 to 95%RH Temperature : -10 to 80deg C(Battery: -10 to 40deg C)
Size / weight	133W x 144D x 133H (mm) / 1.56kg (1.86kg including battery)
GPS(Option)	GPS positioning and tracking system through inbuilt SIM card

Structure

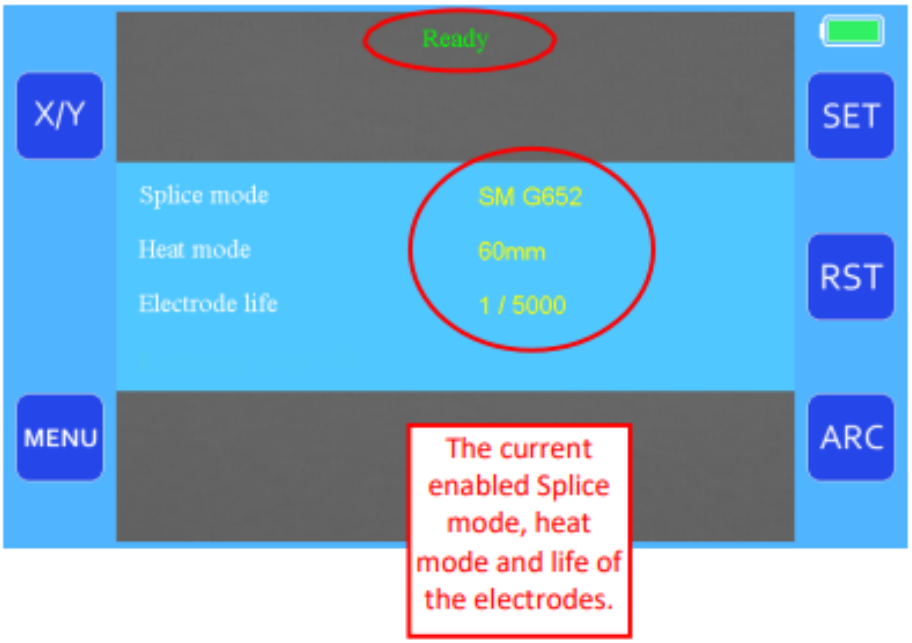


Button Functions

Button	Key Name	Functions
	Power Key	Turn on/off the power
	Heating Key	Start/Stop heating operation
	SET Key	Start splicing operation/ Confirm button
	Reset Key	Reset the motor position
	X/Y Key	Change the X/Y images
	ARC Key	Arc discharge manually

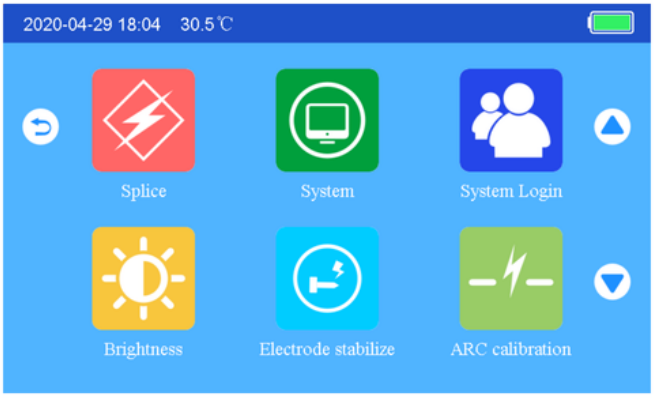
Working Interface

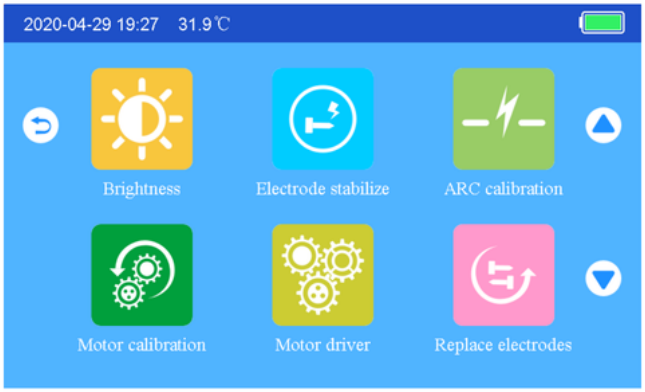
Press and hold the **Power key** until the indicator light turns on. The fusion splicer will start up and perform a self-check. Once complete, it will enter the working interface, displaying the status “Ready.”



Navigation Interface

Tap **MENU** from the working interface to access the navigation interface.





TEKCN

TEKCN
TC-600M

2-12 CORES RIBBON FIBER SPLICING



- 16s splicing, 35s heating
- Battery capacity: 120 times splicing and heating
- Full HD capacitive touch screen
- Electrodes life ≥5000 discharges
- Passed the strict testing of projects in different countries.
- Smart Anti-Counterfeit electrodes



Real core to core testing
Automatically identify fiber types.



Over 5000m high altitude testing



Size: 133x144x133(mm)

Standard Package


TC-600M Fusion Splicer


Carrying Case


Fiber Cleaver


Charging Adapter


Alcohol Bottle


DC Charging Cable


Shoulder Strap


Hand Strap


Spare Fiber Holder FSH-60


Extra Electrodes


Brush


Cooling Tray


Knife


Ribbon Stripper HTS-60

Specifications

Size	6 motors core alignment
Fiber Type	Single fiber & 2 to 12 cores ribbon fiber
Fiber Holder	Standard kit with 8 cores and 12 cores fiber holder, 1/2/4/6 cores fiber holder is option
Applicable Fiber	SM(ITU-T G.652), MM(ITU-T G.651), DS(ITU-T G.653), NZ/NZDS(ITU-TG.655), BI(ITU-T G.657)
Fiber alignment	High-precision cladding alignment
Fiber diameter	Cladding diameter: 125 (μm), Coating(single) diameter: 160μm-3mm, ribbon 250μm-400μm
Cleave Length	250μm coating diameter 9-9.5mm
Splice mode	Total 100 modes, support self-defined modes and parameters
Splicing time	16s (SM Fast)
Heating mode	Total 20 modes, support self-defined modes and parameters
Heating time	35s
Applicable protection sleeve	25-60mm
Splice image storage	Max. 800 (Automatic Loop Storage)
Splice result storage	Max. 10000 (Automatic Loop Storage)
Average splicing loss	SM: 0.05dB, MM: 0.03dB, DS: 0.08dB, NZ/NZDS: 0.08dB, BI 0.05dB (ITU-T standard)
Return loss	＞60dB
Fiber tensile test force	2N
Display	4.3 inch 800x480 pixels high resolution display, with touch screen
Visual system	X and Y dual view display on the same screen; X or Y single view independent display at 24x magnification
Connection port	MicroSD and high speed USB port
Electrodes life	Typical 2000 splices
Power supply	AC100-240V, 50/60Hz
Battery	5400mAh high-capacity battery, supporting continuous splicing and heating for more than 120 times; Standard charging time of 4 hours (3 hours to charge to 80%)
Operation condition	Altitude: 0-3800m, Temperature: -20 to 50℃ Humidity: 0-95%RH, Max. wind 15m/sec
Storage condition	Temperature: -40 to 80℃ (Battery: -10 to 40℃) Humidity: 0-95%RH

COMWAY TECHNOLOGY

COMWAY A33

2 IN 1 FIBER ENDFACE MELTER & FUSION SPLICER

- 5 seconds splicing time
- 15 seconds heating time
- ID Electrodes 5000 Cores
- Remote Locker Anti-theft
- Integrated GPU chip





D136xW141xH136 (mm),
1.5 kg (1.8 kg with battery)



Interior View



4.3 inch high-light color
touch screen

TARATEL
TELECOM SUPPLIES TRADING

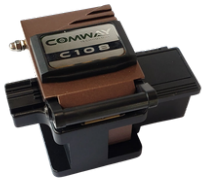
Standard Package


Fusion Splicer A33


Carrying Case


Stripper CFS-2


Drop Cable Stripper

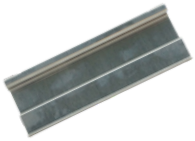


High precision cleaver C108


High Capacity Battery BAT-05


Adapter


Extra Electrodes


Cooling Tray


Hand strap


Alcohol Bottle

Specifications

Size & Weight	D136×W141×H136 (mm), 1.5kg (1.8kg with battery)
Fiber alignment	High precision PAS alignment
Fiber type	SM(ITU-T G.652), MM(ITU-T G.651), DS(ITU-T G.653), NZ/NZDS(ITU-T G.655), BI(ITU-T G.657)
Splice mode	Single fiber
Fiber diameter	Cladding diameter 80~150μm, coating diameter 100~3000μm
Cleave length	250μm cladding diameter 8~16mm, over 250μm cladding diameter 16mm
Splicing programs	Max.100
Splicing time	5 sec. [SM Fast] program, 12 sec. [SM G652] program
Heating programs	Max. 30
Heating time	Adjustable. 15 sec. with slim 60 mm and 40 mm sleeves
Splice protector	10~60mm
Splice image capture	Max. 300, Automatic cycle storage
Splice data storage	Max. 20000
Splice loss	SM:0.02dB, MM:0.01dB, DS:0.04dB, NZ/NZDS:0.04dB, BI:0.02dB
Return loss	>>60dB
Loss estimation	Provided
Operation condition	Altitude 0-5000m, Humidity 0~95%, Temperature -10~+50°C, Wind velocity up to 15m/s
Storage condition	Humidity 0~95%, Temperature -40~+80°C (Battery -20~+40°C)
Tension	2N
Screen	4.3 inch high-light color touch screen
Fiber magnification	500x for X or Y single axis view,300x for X & Y single axis view(zoom up)
Port	High speed USB
Electrode life	5000 arc discharges
Power supply	AC100-240V, 50/60Hz
Battery parameters	4000mAh High capacity battery, more than 240 times splicing and heating

COMWAY TECHNOLOGY

COMWAY C7

ECONOMICAL CORE ALIGNMENT FUSION SPLICER

- Core Alignment
- 750X Single axis view
- 5 inch touch screen
- 6 secs splicing, 8 secs adjustable heating
- 5600mAh battery, more than 350 times splicing and heating





D156×W135×H149(mm), 1.86kg (2.41kg with battery)



Electrode life of up to 500 arc discharges



Max 200 splicing programs, Max 30 heating programs

Package


Fusion Splicer C7


User Guide


Stripper CS-02-B

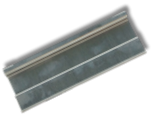

Extra Electrodes CE-03


One-step cleaver CC-03


Carrying Case CP-01


High Capacity Battery BAT-03


ADC Adapter ADC-02


Cooling Tray


USB Cable


Hand Strap


Alcohol bottle


Fiber Thermal Stripper


Reflective Safety Vest


Catalog


Shoulder Strap


Heavy Duty Utility Knife

Specifications

Size & Weight	D156xW135xH149(mm), 1.86kg (2.41kg with battery)
Fiber alignment	Core alignment
Fiber type	SM(ITU-T G.652), EB(ITU-TG.654), MM(ITU-T G.651), DS(ITU-T G.653), NZ/NZDS(ITU-T G.655), BI(ITU-T G.657)
Splice mode	Single fiber
Fiber diameter	Cladding diameter 80~150um, coating diameter 100~3000um
Cleave length	250um cladding diameter 5~16mm, over 250um cladding diameter 16mm
Splicing programs	Max. 200
Splicing time	6 sec. [SM Fast] program, 12 sec. [SM G652] program
Heating programs	Max. 30
Heating time	Adjustable, 8 sec. typical
Splice protector	10~60mm
Splice image capture	Max. 800
Splice data storage	Max. 20000
Splice loss	SM:0.01dB, MM:0.01dB, DS:0.02dB, NZ/NZDS:0.02dB, BI:0.02dB
Return loss	>>60dB
Loss estimation	Provided
Operation condition	Altitude 0~5000m, Humidity 0~95%, Temperature-10~+50C, Wind velocity up to 15m/s
Storage condition	Humidity 0~95%, Temperature-40~+80C (Battery-20~+40C)
Tension	1.96~2.25N
Screen	5 inch touch screen
Fiber magnification	300x for X or Y single axis view, 750x for both X&Y dual axis view(zoom up)
Port	High speed USB
Electrode life	5000 ARC discharges
Power supply	AC100-240V, 50/60Hz
Battery parameters	5600mAh High capacity battery, more than 350 times splicing and heating

COMWAY TECHNOLOGY

COMWAY C10R

RIBBON FIBER FUSION SPLICER

- 12 Core Ribbon Fiber Fusion Splicer
- 13s splicing, 16s heating
- Anti-theft Remote Upgrade
- Ultra low loss
- ID Electrode 2000 cores
- Large capacity battery, over 240 times splicing and heating





Over 100X Magnification to see fiber core clearly



Smart ARC Control Technology



Anti-shock

Standard Package


Fusion splicer C10R


Carrying case


Ribbon Fiber Stripper JHS-10 4


Extra electrodes CE-04


High precision cleaver C109


Spare Fiber Holder


High capacity battery

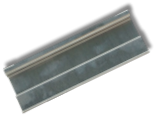

AC adapter ADC-02


DC charging cable for the ribbon fiber stripper


DC charging cable for power adapter


AC adapter cable


AC adapter


Cooling Tray


USB cable


Hand strap


Shoulder strap


Alcohol bottle



User Guide

Specifications

Size & Weight	D156×W135×H149(mm), 1.7kg (2.5kg with battery)
Fiber Type	SM(ITU-T G.652), MM(ITU-T G.651), DS(ITU-T G.653), NZ/NZ DS(ITU-T G.655), BI(ITU-T G.657)
Fiber count	Single to 12 fiber ribbon
Cladding dia.	Single: 125μm / 160μm to 3mm by fiber holder system
Sheath dia.	Ribbon: 125μm / Ribbon fiber thickness 0.25 to 0.4mm
Cleave Length	9mm to 9.5mm
Splice mode	Total 100 splice modes
Typical splice time	13sec with SM FAST, 16sec with SM AUTO
Heating mode	20 heating modes
Typical tube heating time	18sec SM FAST
Applicable sleeve	25~60mm sleeve
Splice image capture	Max.800
Splice result storage	Max.10000
Typical splice loss	SM:0.05dB, MM:0.03dB,DS:0.08dB,NZ/NZ DS:0.08dB, BI:0.05dB
Return Loss	>>60dB
Fiber View	Two axis CMOS camera with 4.1 inch high-light color LCD
Fiber magnification	X / Y (32-100X magnification), or both X and Y simultaneously
Operating condition	Altitude: 0~3800m above sea level, Temperature : -10~+50℃,Wind : 15m/sec Humidity : 0 ~95%RH
Tension test	1.96~2.25N
Electrode life	2000 splices
Power supply	AC100~240V, 50/60Hz
Power supply	AC100-240V, 50/60Hz
Battery Parameters	5600mAh high capacity battery, over 350 circles splicing and heating
Terminal	USB 2.0 connector for PC communication.
Other features	Time-delay password against theft ID electrode against fake
Option	GPS location system

INNO
i4

ACTIVE V-GROOVE CLADDING ALIGNMENT

- Active V-Groove Cladding Alignment
- Fast Splicing 4s and Heating Time 13s
- Anti-theft Remote Upgrade
- Operation Cycle-200 cycles (Splicing+ Heating)
- Electrode Life 6000 Arc
- Battery Capacity 3500 mAh





Precision Fiber Viewing System



Intelligent Arc Calibration



Durable Field-Ready Structure

Standard Package


Fusion splicer Inno i4


Carrying Case


Fiber Cleaver


Extra Electrodes


Battery Pack


AC Adapter


Shoulder Strap


Fiber holder Clamp


Detachable Tray


Power Cord


FH-SOC


UGREEN USB-C


USB Cable


Cooling Tray

Specifications

Model	i4
Alignment Method	Active V-groove Clad Alignment
Weight	1.384kg (1.164kg without battery)
Number of Fibers	Single
Applicable Fibers	SM (ITU-T G.652&T G.657)/MM (ITU-T G.651)/DS (ITU-T G.653)/NZDS (ITU-T G.655)
Coating Daimeter	100μm - 3mm
Cleaved Length	5-16mm
Cladding Diameter	80~150 μm
Splice Time	Quick mode: Avg. 4 sec / SM mode: Avg.5sec
Splice Programs	Max 128 modes
Typical Splice Loss	SM: 0.03dB/MM: 0.01dB/DS: 0.05dB/NZDS: 0.05dB/G.657:0.03dB
Return Loss	>>60dB
Electrode life span	6000 Arc Discharges
Heating Programs	Max 32 modes
Heating Time	13 sec (45mm, 60mm slim)
Protection Sleeve	20mm-60mm
Data Output	USB-C
Splice Memory	10,000 Splice data/10,000 Splice image
Battery	Battery Capacity: 3500 mAh/Operation Cycle: 200 cycles (Splicing Heating)
Power Supply	AC Input 100-240V, DC Input 9-19V
Monitor	4.3 Color LCD display, Full Touch Screen
Magnification	*x130, x320*
Size	132 x 137 x 139mm
Pull Test	1.96-2.25N

INNO INSTRUMENT™

INNO
VIEW 8X

PREMIUM CORE ALIGNMENT FUSION SPLICER

- Splice Time: Quick avg 4 sec / SM avg 5 sec / Auto avg 7 sec
- Heating: Quick 9 sec / average 13 sec
- 5" color LCD full touch screen
- Battery: 9000mAh, 500 cycles (splice + heat)
- Electrode Life: 6,000 arc discharges
- Improved lighting for dark environments





Fastest splicing: as little as 4 seconds in quick modE



IPx2 water, IP5X dust, 76cm shock resistance



Automatic arc calibration by air pressure and temperature

Specifications

Alignment:	Core alignment, single fiber
Applicable Fibers:	SM (G.652/G.657), MM (G.651), DS (G.653), NZDS (G.655)
Cladding:	80-150µm; Coating: 100µm - 3mm
Cleave Length:	5-16mm
Typical Splice Loss:	SM 0.01dB, MM 0.01dB, DS 0.03dB, NZDS 0.03dB, G.657 0.01dB
Return Loss:	> 60dB
Splice Time:	Quick avg 4 sec / SM avg 5 sec / Auto avg 7 sec
Heating:	Quick 9 sec / average 13 sec; sleeves 20-60mm; 32 heat modes; 128 splice modes
Memory:	20,000 splice data + 10,000 images; data via cloud (View Pro Manager) + USB-C
Battery:	9000mAh, 500 cycles (splice + heat); AC 100-240V, DC 9-19V
Electrode Life:	6,000 arc discharges
Display:	5" color LCD full touch screen; magnification 360x / 520x
Tension Test:	1.96-2.25N
Size:	162 x 143 x 158mm
Weight:	2.19kg
Operating:	0-5,000m altitude, -10 to 50°C, 0-95% humidity, wind to 15 m/sec
Resistance:	76cm drop, IP5X dust, 10mm/h rain for 10 min

Standard Package

INNO View 8X Fusion Splicer
V12 cleaver
SOC holder (FH-SOC-R) and SOC heater cover (HTS-SOC-02)
AC adapter (JS-180300) and power cable (ACC-25)
Cooling tray (CG-23)
Electrodes (E-70)
Battery pack (LBT-52)
USB cable (USB-7P)
Carrying case (ICC-55) and shoulder strap (ST-01)

Product Structure



Product Structure



Power Supply Connector



HEAT Button

Heating LED Indicator

INNO
VIEW 5 PRO

SMART CORE ALIGNMENT FUSION MACHINE

- Fast Heating Time
- Report and Data Management
- Web-based, Real-time Operation System
- 5" Color LCD Touch Screen





149W x 177D x 151H mm (with rubber bumper) 130W x 166D x 140H mm (without rubber bumper)



Detachable Heat Oven and SOC Holder



Water Resistance, Shock Resistance, and Dust Resistance

Specifications

MODEL	VIEW 5 PRO
ALIGNMENT METHOD	Core alignment
NUMBER OF FIBER	Single
APPLICABLE FIBERS	SM (G.652 & G.657) / MM (G.651) / DS (G.653) / NZDS (G.655) / CS (G.654) / EDF / BIF
CLADDING DIAMETER	80~150μm
COATING DIAMETER	100~3000μm
CLEAVED LENGTH	5 ~ 16mm
TYPICAL SPLICE LOSS*1	SM: 0.02dB / MM: 0.01dB / DS: 0.03dB / NZDS: 0.03dB / G.657: 0.02dB
RETURN LOSS	>> 60dB
ESTIMATED SPLICE LOSS	Available
SPLICE TIME*2	Quick mode : 7 sec (Avg.) / SM Auto mode : 9 sec (Avg.)
SPLICE MODE	Max 128 modes
HEATING SLEEVE	20 ~ 60mm
HEATING TIME*3	13 sec (45mm, slim 60mm), 15 sec (60mm)
HEATING MODE	Max 32 modes
TENSION TEST	1.96~2.25N
DIMENSION	149W x 177D x 151H mm (with rubber bumper) 130W x 166D x 140H mm (without rubber bumper)
WEIGHT	2.21kg (with battery)/1.85kg (without battery)
WHITE LED	3 White LEDs
MONITOR	5.0" Color LCD display, Full touch screen
FIBER VIEW	X, Y, XY, X/Y
MAGNIFICATION	320 ~ 520x
RESULTS STORAGE	10,000 Splice data / 10,000 Splice image
TERMINAL	USB Type C / Nano SIM
BATTERY CAPACITY*4	LBT-52, Typical usage: 200 cycles/ Power save usage: 250 cycles
ELECTRODE LIFE*5	5500 arcs discharges
GPS	Available

Environmental Condition

OPERATING CONDITION	Altitude: 0~5000m Humidity: 0~95%, non-dew Temperature: -10 to 50°C Wind: up to 15m/sec
STORAGE CONDITION	Humidity: 0~95%, non-dew Temperature: -40 to 80°C

Standard Package

MODEL/ PART NO.	DESCRIPTION	QTY
VIEW5 PRO	Fusion Splicer	1 each
V10 PRO	Cleaver	1 each
FH-45	Fiber Holder	1 set
FH-SOC-R	SOC Holder	1 each
HTS-SOC-02	SOC Heater Cover	1 each
JS-180300	AC Adapter	1 each
CG-23	Cooling Tray	1 each
E-70	Electrode	1 set
LBT-52	Battery Pack	1 each
ACC-25	Power Cable	1 each
USB-7P	USB Cable	1 each
ICC-55	Carrying Case	1 each
IWS-06	Work Tray	1 each
WTB-01	Work Tray Bolt (M6*8)	1 each
WTB-02	Work Tray Bolt (M6*14)	1 each
ST-01	Shoulder Strap	2 each
Quick Reference		1 each

Detailed View



INNO INSTRUMENT™

INNO 12R

RIBBON FUSION SPLICER



- The Highest Magnification & Resolution
- 5" Color LCD Touch Screen
- Ultra-High Capacity Battery
- Universal Single Fiber Holder



Highest battery capacity for ribbon splicer with typical 220 cycles



Motorized Clamp Alignment System



Fast heating up to 20s (max 14s during consecutive heating)

Specifications

MODEL	12R
ALIGNMENT METHOD	Motorized Clamp Alignment System
NUMBER OF FIBER	1-12
APPLICABLE FIBERS	SM (G.652 & G.657) / MM (G.651) / DS (G.653) / NZDS (G.655) / CS (G.654) / EDF / BIF
COMPATIBLE FIBER/CABLE	Ribbon: 0.25-0.4 mm / Single: 250 µm & 900 µm
CLEAVED LENGTH	10-13mm
CLADDING DIAMETER	125µm
SPLICING MODE	Max 100 modes
HEATING MODE	Max 32 modes
TYPICAL SPLICE LOSS	SM: 0.05dB / MM: 0.02dB / DS: 0.08dB / NZDS: 0.08dB (ITU-T standard)
RETURN LOSS	>>60dB
LIGHTING	3 White LEDs
SPLICING TIME	Ribbon fiber: 15 sec/ Single fiber: 9 sec
ESTIMATED SPLICE LOSS	Available
HEATING SLEEVE LENGTH	60mm, 50mm, 40mm, Micro
HEATING TIME	Typical 20 sec
RESULTS STORAGE	Last 5,000 results
PULL TEST	1.96 -2.25N
DIMENSION	143 x 167 x 163mm (including rubber bumper)
WEIGHT	2.64kg (with battery)
DISPLAY	5.0" Color High Resolution Display
FIBER VIEW & MAGNIFICATION	X, Y, XY, X/Y: 250X Magnification
POWERSUPPLY	AC Input 100-240V, DC Input 9-14V
NO. OF SPLICE & HEATING W/ BATTERY	9000mAh Battery Capacity / Typical 220 times (Splice + Heat)
OPERATING METHODS	Button / Touch Screen
AUTOMATIC CALIBRATION	Automatic arc calibration by air pressure and temperature
TERMINAL	USB Type-C
ELECTRODE LIFE	1500 arcs, can be extended by using an electrode grinder

Environmental Condition & Test

OPERATING CONDITIONS	Altitude: 0-5000m Humidity: 0-95%, non-dew Temperature: -10 to 50°C Wind: up to 15m/sec
STORAGE CONDITIONS	Humidity: 0-95%, non-dew Temperature: -20 to 60°C
RESISTANCE TESTS	Shock Resistance: 76cm for bottom surface drop Exposure to Dust: 0.1 to 500um diameter aluminium silicate Rain Resistance: 10 mm/h for 10 mins

INNO INSTRUMENT™

INNO
VIEW 3

FUSION MACHINE

- Detachable Fiber/SOC Holder
- IoT & GPS Modules
- 5” Color LCD Touch Screen
- Intuitive and User-Friendly UI





143H x 130W x 155D mm Dimensions



3 Bright LEDs for dark environment



Easy to replace electrodes

Standard Package

Fusion Splicer	View 3
High Precision Cleaver	V7
Fiber Holder	VFH-40(equipped) / FH-SOC
SOC Heater Cover	HT-SOC
AC Adapter	JS-180300
Cooling Tray	CG-22

Electrode	E-50
Battery Pack	LBT-2
Power Cable	ACC-25
USB Cable	USB-5P
Cigarette Lighter Cable	CJ-11
Carrying Case	NBX-35

Specifications

Model	View 3
Dimension	143H x 130W x 165D mm (excluding rubber bumper) / 152H x 147W x 175D mm (including rubber bumper)
Weight	2.31KG (with battery) / 1.95KG (withouth battery)
Number of Fiber	Single
Applicable Fibers	SM(ITU-T G.652&G.657) / MM(ITU-T G.651) / DS(ITU-T G.653) / NZDS(ITU-T G.655)
Compatible Fiber / Cable	0.25~3.0 mm / Indoor Cable
Cleaved Length	Diameter: 0.125~1 mm / Cleave Length: 8~16 mm
Cladding Diameter	80~150 μm
Splicing Mode	Max 128 modes
Heating Mode	Max 32 modes
Typical Splice Loss	SM: 0.03dB / MM: 0.01dB / DS: 0.05dB / NZDS: 0.05dB / G.657: 0.03dB (ITU-T Standard)
Return Loss	>>60dB
Ligthing	3 White LEDs
Splicing Time	Quick mode : 7 sec / SM mode : 9 sec
Estimated Splice Loss	Available
Heating Sleeve Length	20~60 mm
Heating Time	FP-03 typical heating time: 13 sec
Results Storage	The last 10,000 results
Tension Tests	1.96~2.25N
Operating Condition	Operating Altitude: 0~5000m above sea level, 0~95% relative humidity, -10~50°C, Max Wind 15m/s
Storage Condition	0~95% relative humidity, -40~80°C
Display	90° bi-directional view, 5.0” Color High Resolution Display
Fiber View & Magnification	X, Y, XY, X/Y : 520X Magnification
Power Supply	AC Input 100-240V, DC Input 9-14V
No. of Splice / Heating with Battery	Typical 170 times with LBT-50 (4200mAh), Typical 200 times with LBT-52 (5200mAh)
Operating Methods	Button / Touch screen
Automatic Calibration	Automatic arc calibration by air pressure and temperature
Electrode Life	5500 arcs, can be extended by using an electrode grinder
Terminal	USB2.0 / MINI USB

INNO
M7

ACTIVE CLAD ALIGNMENT FUSION MACHINE

- Active V-Groove Clad Alignment Splicing Method
- Truly Light Weight and Handy Size
- Adjustable Strap Hanger
- Outstanding Magnification and Resolution
- Double Tapping (Zoom in & out)
- 4.3” Color LCD Touch Screen





H: 124mm W: 144mm D: 131mm, 1.56kg (including battery) / 1.31kg (without battery)



Ultra-portable design



Mini HDMI Interface & Battery Charger Interface

Standard Package



Fusion Splicer	M7
High Precision Cleaver	V7
Simple Optical Fiber Collector	SC-V7-01
Fiber Holder	FH-200 /250S, FH-900S
SOC Heater Cover	HTN-SOC
AC Adapter	JS-1618
Cooling Tray	CG-22
Electrodes	E-50
Battery Pack	LBT-3000
Power Cable	ACC-25
USB Cable	CTA-01
Carrying Case	NBX-M05

Specifications

Model	M7
Dimension	124H x 144W x 131D (including rubber bumper)
Weight	1.56kg (including battery) / 1.31kg (without battery)
Number of Fiber	Single
Applicable Fibers	SM(ITU-T G.652&T G.657) / MM(ITU-T G.651) / DS(ITU- T G.653) / NZDS(ITU-T G.655)
Compatible Fiber / Cable	0.25~3.0 mm / indoor Cable
Cleaved Length	10 - 16 mm
Cladding Diameter	80 μm - 150 μm
Splicing Mode	Max 100 modes, preset 9 modes
Heating Mode	Max 30 modes, preset 4 modes
Typical Splice Loss	0.03dB(SM) / 0.01dB(MM) / 0.05dB(DS) / 0.05dB(NZDS) / 0.03dB(G.657) Measured by cut-back method relevant to ITU-T standards.
Return Loss	>> 60dB
Lighting	2 White LEDs
Splicing Time	Fast mode : 7 sec, SM mode : 9 sec
Estimated Splice Loss	Available
Heating Sleeve Length	20 mm - 60 mm
Heating Time	Fast mode : 15 sec
Results Storage	Last 10,000 records
Tention Test	1.96~2.25N
Operating Condition	Altitude 0~5000m above sea level, Humidity 0~95%RH, -10~50°C, Wind 15m/s
Storage Condition	0~95% relative humidity, -40~80°C
Display	90° bi-directional view, 4.3" Color High Resolution Display
Fiber View & Magnification	300X magnification with 3 display modes, 400X partial magnification
Power Supply	AC Input 100-240V, DC Input 9-14V
No. of Splice / Heating with Battery	3000mAh Battery Capacity / Typical 110 times (Splice + Heat)
Operating Methods	Button / Touch Screen
Automatic Calibration	Automatic arc calibration by air pressure and temperature
Electrode Life	5500 arcs, can be extended by using an electrode grinder
Terminal	USB Type-C
Durability tests	Shock resistance : Drop from 76cm
	Dust resistance : Test in the dust chamber for 8 hours (IP5X)
	Water resistance : Dripping water when tilted up to 15° (IPX2)

INNO
M9

CORE-ALIGNMENT FUSION MACHINE

- Core Alignment Splicing Method State-of-the-art fast splicing speed of 7s
- Adjustable Strap Hanger
- Dual Operating mode (Touch Screen & Button)
- Double Tapping (Zoom in & out)
- 4.3” Color LCD Touch Screen with GUI Display

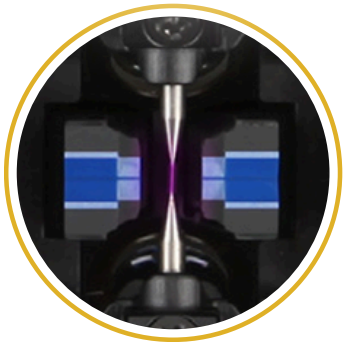




Detachable Heat Oven for SOC



Changeable Holder for Multi-functional splicing



Advanced Splice

Standard Package



Fusion Splicer	M9
High Precision Cleaver	V7
Simple Optical Fiber Collector	SC-V7-01
Fiber Holder	FH-40
SOC Heater Cover	HTN-SOC
AC Adapter	JS-1618
Cooling Tray	CG-22
Electrodes	E-50
Battery Pack	LBT-3000
Power Cable	ACC-25
USB Cable	CTA-01
Carrying Case	ICC-50

Specifications

Model	M9
Fiber alignment Mode	Core Alignment
Motor Operation	6 Motors
Dimension	136H x 114W x 125D (including rubber bumper)
Weight	1.67kg (including battery) / 1.43kg (without battery)
Number of Fiber	Single
Applicable Fibers	SM(ITU-T G.652&T G.657) / MM(ITU-T G.651) / DS(ITU- T G.653) / NZDS(ITU-T G.655)
Compatible Fiber / Cable	0.25~3.0 mm / indoor Cable
Cleaved Length	10 - 16 mm
Cladding Diameter	80 μm - 150 μm
Splicing Mode	Max 128 modes, preset 24 modes
Heating Mode	Max 32 modes, preset 7 modes
Typical Splice Loss	0.02dB(SM) / 0.01dB(MM) / 0.04dB(DS) / 0.04dB(NZDS) / 0.02dB(G.657)
	Measured by cut-back method relevant to ITU-T standards.
Return Loss	>> 60dB
Lighting	2 White LEDs
Splicing Time	Quick mode: 7 sec (Avg.) / SM Auto: 9sec (Avg.)
Estimated Splice Loss	Available
Heating Sleeve Length	20 mm - 60 mm
Heating Time	13 sec (45mm, slim 60mm) , 15 sec (60mm)
Results Storage	Last 10,000 records
Tention Test	1.96~2.25N
Operating Condition	Altitude 0~5000m above sea level, Humidity 0~95%RH, -10~50°C, Wind 15m/s Humidity
Storage Condition	0~95%RH, -20~60°C, battery -20~30°C
Display	90° bi-directional view, 4.3" Color High Resolution Display
Fiber View & Magnification	300X magnification with 3 display modes, 400X partial magnification
Power Supply	AC Input 100-240V, DC Input 9-14V
No. of Splice / Heating with Battery	Typical usage: 130 cycles / Power save usage: 200 cycles
Operating Methods	Button / Touch Screen
Automatic Calibration	Automatic arc calibration by air pressure and temperature
Electrode Life	5500 arcs, can be extended by using an electrode grinder
Terminal	Mini USB

INNO INSTRUMENT™

INNO A3

CLAD ALIGNMENT ARC FUSION SPLICER

- Ultra compact design
- Intuitive User Interface
- SOC Support
- 4.3" Color LCD Touchscreen





137W x 197D x 87H mm (including rubber bumper) / 128W x 187D x 82H (excluding rubber bumper)



2 Bright LEDs for dark environment



1.206kg (with battery) / 0.997kg (without battery)

Specifications

MODEL	A3
ALIGNMENT METHOD	Active Clad Alignment
NUMBER OF FIBER	Single
APPLICABLE FIBERS	SM (G.652 & G.657) / MM (G.651) / DS (G.653) / NZDS (G.655) / CS (G.654) / EDF
CLADDING DIAMETER	80~150μm
COATING DIAMETER	100~3000μm
CLEAVED LENGTH	5 ~ 16mm
TYPICAL SPLICE LOSS*1	SM: 0.03dB / MM: 0.01dB / DS: 0.05dB / NZDS: 0.05dB/G.657: 0.03dB (Measured by fusion splicing compensating cutback according to ITU-T standard)
RETURN LOSS	>> 60dB
ESTIMATED SPLICE LOSS	Available
SPLICE TIME	Quick mode: 7s
SPLICE MODE	Preset 6 kinds of splicing mode, Max 300 mode available
HEATING SLEEVE	20 ~ 60mm
HEATING TIME*3	15s (45mm, slim 60mm), 20s (60mm)
HEATING MODE	Max 100 modes
PULL TEST	1.96~2.25N
DIMENSION	137W x 197D x 87H mm (including rubber bumper) / 128W x 187D x 82H (excluding rubber bumper)
WEIGHT	1.206kg (with battery) / 0.997kg (without battery)
WHITE LED	2 White LEDs
MONITOR	4.3" Color LCD display, Full touch screen
FIBER VIEW	X, Y, X/Y
MAGNIFICATION	120 - 240x
RESULTS STORAGE	10,000 Splice data/ 10,000 Splice image
POWER SUPPLY	AC Input 100-240V, DC Input 9~14V
TERMINAL	USB Type C
BATTERY CAPACITY	3000mAh Battery Capacity, Typical 150 cycles (Splice+Heat), Power save mode 200 cycles (Splice+Heat)
ELECTRODE LIFE*5	5500 arcs discharges

Environmental Condition & Test

OPERATING CONDITION	Altitude: 0~5000m Humidity: 0~95%, non-dew Temperature: -10 to 50°C Wind: up to 15m/sec
STORAGE CONDITION	Humidity: 0 95%, non-dew Temperature: -40 to +80 °C
RESISTANCE TESTS	Shock Resistance: 76cm for bottom surface drop Exposure to Dust: 0.1 to 500um diameter aluminium silicate Rain Resistance: 10 mm/h for 10 mins

Standard Package

MODEL/ PART NO.	DESCRIPTION
A3	Fusion Splicer
V1	Cleaver
FH-SOC-R	SOC Holder
HTS-SOC-07	SOC Heater Cover
JS-1618	AC Adapter
CG-24	Cooling Tray
E-70	Electrodes
LBT-7000	Battery Pack
ACC-25	Power Cable
USB-8P	USB Cable
USB-9P	USB Cable
ICC-58	Carrying Case
ST-01	Shoulder Strap

Detailed View

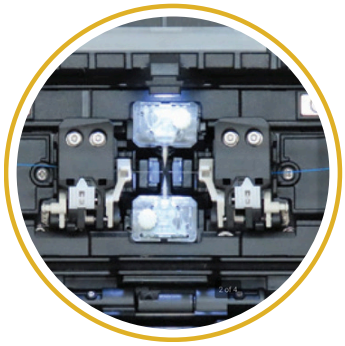


FUJIKURA
35S

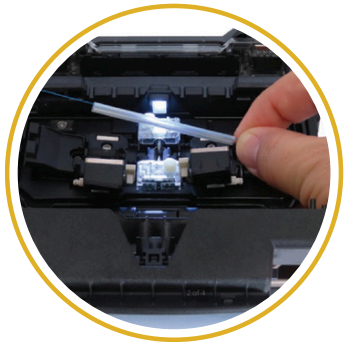
CLAD ALIGNMENT FUSION MACHINE



- Active Clad Alignment System
- Simultaneous fiber preparation with planted sheath design
- Fully ruggedized for shock, moisture, and dust resistance
- For splicing single fiber



Simultaneous Fiber Loading



Sleeve Positioning



Removable Battery

Standard Package


CLAD ALIGNMENT FUSION SPLICER


CARRYING CASE


AC POWER CORD


AC ADAPTER


BATTERY PACK


FIBER SETTING PLATE


FIBER SCRAP COLLECTOR


SPARE ELECTRODES


SINGLE FIBER STRIPPER


QUICK REFERENCE GUIDE


USB CABLE


HEXAGONAL WRENCH


OPTICAL FIBER CLEAVER

Items	Model
Clad Alignment Fusion Splicer	35S
Battery Pack	BTR-17
AC Adapter	ADC-21
AC Power Cord	ACC-08, 09,10 11, OR 12
USB Cable	USB-01
Electrodes for spare	ELCT2-16B
Carrying Case	CC-44
Quick Reference Guide	QRG-08-E
Single Fiber Stripper	SS05
Optical Fiber Cleaver	CT16
Fiber Scrap Collector	FDB-06
Fiber Setting Plate	AD-16A
Hexagonal Wrench	HEX-01

Specifications

Fiber Alignment Method		Active Clad Alignment
Fiber Count can be spliced		Single fiber
Applicable Fiber	Fiber Type	Single Mode Optical Fiber
	Cladding dia.	Approx. 125μm
Applicable Coating	Sheath clamp	Coating dia. : Max. 3000μm
		Cleave length :5 to 16mm *1
Fiber Splice Performance	Splice Loss *2	ITU-T G.652 : Avg. 0.03dB
		ITU-T G.851 : Avg. 0.01 dB
		ITU-T G.651 :p Avg. 0.05dB
		ITU-T G.655 : Avg. 0.05dB
		ITU-T G.657 : Avg. 0.03dB
	Splice time *3	SM FAST mode : Avg. 6 to 7sec.
Applicable Protection Sleeve	Sleeve type	Heat shrinkable sleeve
	Sleeve Length	Max. 66mm
	Sleeve dia.	Max. 6.0mm before shrinking
Sleeve heat performance	Heat time *4	60mm mode : Avg. 15 to 22 sec.
		60mm slim mode : Avg. 15 to 17 sec.
Fiber tensile test force		Approx 2.0N
Electrode life *5		Approx 6,000 splices
Physical Description	Dimensions W	Approx 131mm without projection
	Dimensions D	Approx 123mm without projection
	Dimensions H	Approx 121mm without projection
	Weight	Approx 1.4kg including battery
Environmental condition	Temperature	Operate - 10 to 50 °C
		Storage - 40 to 80 °C
	Humidity	Operate 0 to 95% RH non- condensing
		Storage 0 to 95% RH non- condensing
	Altitude	Max 5000m
Ac Adaptor	Input	AC100 to 240V, 50/60Hz, Mas, 1A
	Type	Rechargeable Lithium Ion
	Output	Approx. DC14. 4V, 3190mAh
Battery pack	Capacity*6	60mm mode: Approx 200 splice and heat cycles

Specifications

		60mm slim mode: Approx 230 spice and heat cycles
	Temperature	Recharge 0 to 40
		Long Term Storage: 20 to 30
	Battery life *7	Approx 500 recharge cycles
Display	LCD monitor	TFT 4.95 inches with touch screen
	Magnification	Approx 132 to 300x
Illumination	V-grooves	LED lamp
Interface	PC	USB2.0 Mini B type
	External LED lamp	USB2.0 A type Approx. DC5V, 500mA
Data Storage	Splice Mode	100 splice modes
	Heat mode	30 heat modes
	Splice Results	20,000 splices
	Splice Image	100 images
Other Features	Automatic functions	Fusion control Splice Start/ Heater Start
	Reference guide	PDF file stored in splicer
	Sheath clamp	open with/without wind protector
		close with fiber setting
		Easy sleeve positioning clamp
	Electrode	Replaceable without tool

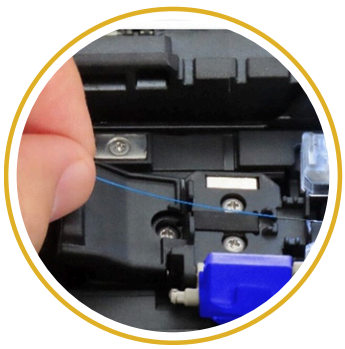
Fujikura

FUJIKURA
45S

CLAD ALIGNMENT FUSION MACHINE



- Simultaneous fiber preparation with planted sheath design
- Faster fiber transportation time
- User-friendly design
- Consistent Quality
- Easy-access battery, screen position adjustments, and ergonomic adaptations



One-handed



Faster Heating Time



Removable Battery

Standard Package


CLAD ALIGNMENT FUSION SPLICER


CARRYING CASE


AC POWER CORD


AC ADAPTER


BATTERY PACK


QUICK REFERENCE GUIDE


WORK TRAY


TRIPOD SCREW


SPARE ELECTRODES


CARRYING CASE STRAP


ALCOHOL DISPENSER


SINGLE FIBER STRIPPER


FIBER SCRAP COLLECTOR


USB CABLE


HEXAGONAL WRENCH


CASE FOR CLEAVER


FIBER SETTING PLATE


OPTICAL FIBER CLEAVER

Items	Model
Clad Alignment Fusion Splicer	45S
Battery Pack	BTR-17
AC Adapter	ADC-21
AC Power Cord	ACC-08, 09,10 11, OR 12
USB Cable	USB-01
Electrodes for spare	ELCT2-16B
Carrying Case	CC-45
Work Tray	WT-10
Tripod Screw	TS-03
Carrying Case Strap	ST-04
Alcohol Dispenser	AP-02
Quick Reference Guide	QRG-08-E,C or J
Single Fiber Stripper	SS05
Optical Fiber Cleaver	CT50
Fiber Scrap Collector	FDB-05
Fiber Setting Plate	AD16-A
Case for Cleaver	CC37
Hexagonal Wrench	HEX-01

Specifications

Fiber Alignment Method		Active Clad Alignment
Fiber Count can be spliced		Single fiber
Applicable Fiber	Fiber Type	Single Mode Optical Fiber
	Cladding dia.	Approx. 125µm
Applicable Coating	Sheath clamp	Coating dia. : Max. 3000µm
		Cleave length :5 to 16mm *1
Fiber Splice Performance	Splice Loss *2	ITU-T G.652 : Avg. 0.03dB
		ITU-T G.851 : Avg. 0.01 dB
		ITU-T G.651 :p Avg. 0.05dB
		ITU-T G.655 : Avg. 0.05dB
		ITU-T G.657 : Avg. 0.03dB
	Splice time *3	SM FAST mode : Avg. 6 to 8sec.
Applicable Protection Sleeve	Sleeve type	Heat shrinkable sleeve
	Sleeve Length	Max. 66mm
	Sleeve dia.	Max. 6.0mm before shrinking
Sleeve heat performance	Heat time *4	60mm mode : Avg. 21 to 23sec.
		60mm slim mode : Avg. 16 to 18 sec.
Fiber tensile test force		Approx 2.0N
Electrode life *5		Approx 6,000 splices
Physical Description	Dimensions W	Approx 131mm without projection
	Dimensions D	Approx 123mm without projection
	Dimensions H	Approx 121mm without projection
	Weight	Approx 1.4kg including battery
Environmental condition	Temperature	Operate - 10 to 50 °C
		Storage - 40 to 80 °C
	Humidity	Operate 0 to 95% RH non- condensing
		Storage 0 to 95% RH non- condensing
	Altitude	Max 5000m
Ac Adaptor	Input	AC100 to 240V, 50/60Hz, Mas, 1A
	Type	Rechargeable Lithium Ion
	Output	Approx. DC14. 4V, 3190mAh
Battery pack	Capacity*6	60mm mode: Approx 200 splice and heat cycles

Specifications

		60mm slim mode: Approx 230 spice and heat cycles
	Temperature	Recharge 0 to 40
		Long Term Storage: -20 to 30
	Battery life *7	Approx 500 recharge cycles
Display	LCD monitor	TFT 4.95 inches with touch screen
	Magnification	Approx 132 to 300x
Illumination	V-grooves	LED lamp
Interface	PC	USB2.0 Mini B type
	External LED lamp	USB2.0 A type Approx. DC5V, 500mA
	Wireless *8	Bluetooth 5.2
Data Storage	Splice Mode	100 splice modes
	Heat mode	30 heat modes
	Splice Results	20,000 splices
	Splice Image	100 images
Scre hole for tripod		1/4-20UNC
Other Features	Automatic functions	Fusion control Splice Start/ Heater Start
		Blade Management and Control
	Reference guide	PDF file stored in splicer
	Sheath clamp	open with/without wind protector
		close with fiber setting
		Easy sleeve positioning clamp
	Electrode	Replaceable without tool

FUJIKURA
90S+

CORE ALIGNMENT FUSION MACHINE



- Active Fusion Control Technology
- Active Blade Management Technology
- Enhanced Splice Quality
- Operation Time Reduction



Wider Illumination Range



Automatic Open-Wind Protectors



Automatic Heater Clamp

Standard Package


CLAD ALIGNMENT FUSION SPLICER


BATTERY PACK


AC ADAPTER


AC POWER CORD


USB CABLE


FUSION SPLICER STRAP


SPARE ELECTRODES


FIBER HOLDER SET PLATE


CARRYING CASE


WORK TRAY


TRIPOD SCREW


CARRYING CASE STRAP


ALCOHOL DISPENSER


SINGLE FIBER STRIPPER


OPTICAL FIBER CLEAVER


FIBER SCRAP COLLECTOR


FIBER SETTING PLATE


CASE FOR CLEAVER


HEXAGONAL WRENCH

Items	Model
Clad Alignment Fusion Splicer	90S+
Battery Pack	BTR-15
AC Adapter	ADC-20
AC Power Cord	ACC-14, 15, 16, 17 OR 18
USB Cable	USB-01
Fusion Splicer Strap	ST-02
Electrodes for spare	ELCT2-16B
Fiber Holder Set Plate	SP-03
Carrying Case	CC-39
Work Tray Left	WT-09L
Work Tray Right	WT-09R
Work Tray J-plate	JP-09
Tripod Screw	TS-03
Carrying Case Strap	ST-03
Alcohol Dispenser	AP-02
Quick Reference Guide	QRG-02-E
Single Fiber Stripper	SS03
Optical Fiber Cleaver	CT50
Fiber Scrap Collector	FDB-05
Fiber Setting Plate	AD-10-M24
Case for Cleaver	CC-37
Hexagonal Wrench	HEX-01

Specifications

Fiber Alignment Method		Active Core Alignment
Fiber Count can be spliced		Single fiber
Applicable Fiber	Fiber Type	Single Mode Optical Fiber
		Multimode Optical Fiber
	Cladding dia.	80 to 150μm *1
Applicable Coating	Sheath clamp	Coating dia. : Max. 3000μm
		Cleave length :5 to 16mm *1
Fiber Splice Performance	Splice Loss *2	ITU-T G.652 : Avg. 0.02dB
		ITU-T G.651 : Avg. 0.01dB
		ITU-T G.653 : Avg. 0.04dB
		ITU-T G.654 : Avg. 0.04dB
		ITU-T G.655 : Avg. 0.04dB
		ITU-T G.657 : Avg. 0.02dB
	Splice time *3	SM FAST mode : Avg. 7 to 9sec
		AUTO mode : Avg. 14 to 16sec.
Applicable Protection Sleeve	Sleeve type	Heat shrinkable sleeve
	Sleeve Length	Max. 66mm
	Sleeve dia.	Max. 6.0mm before shrinking
Sleeve heat performance	Heat Time *4	60mm slim mode : Avg. 9 to 10sec.
		60mm mode: Avg. 13-15 sec.
Fiber tensile test force		Approx 2. ON
Electrode life *5		Approx 5,000 splices
Physical Description	Dimensions W	Approx. 170mm without projection
	Dimensions D	Approx. 173mm without projection
	Dimensions H	Approx. 150mm without projection
	Weight	Approx. 2.8kg including battery
Environmental condition	Temperature	Operate : -10 to 50°C
		Storage : -40 to 80°C
	Humidity	Operate : 0 to 95%RH non-condensing
		Storage : 0 to 95%RH non-condensing
	Altitude	Max 5000m
Ac Adaptor	Input	AC100 to 240V, 50/60Hz, Max. 1.5A

Specifications

Battery pack	Type	Rechargeable Lithium Ion
	Output	Approx. DC14.4V, 6380mAh
	Capacity *6	Approx. 300 splice and heat cycles
	Temperature	Recharge : 0 to 40°C
		Long Term Storage : -20 to 30°C
	Battery life *7	Approx. 500 recharge cycles
Display	LCD monitor	TFT 4.9 inches with touch screen
	Magnification	Approx. 200 to 320x
Illumination	V-grooves	LED lamp
Interface	PC	USB2.0 Mini B type
	External LED lamp	USB2.0 A type Approx. DC5V, 500mA
	Ribbon Stripper	Mini DIN 6pin DC12V, Max. 1A
	Wireless *8	Bluetooth 4.1 LE
Data storage	Splice mode	100 splice modes
	Heat mode	30 heat modes
	Splice result	20000 splices
	Splice image	100 images
Screw hole for tripod		1/4-20UNC
Other features	Automatic functions	Splice mode select by fiber type analysis
		Fusion control
		Wind protector : open and close
		Sheath clamp : open
		Heater lid : open and close
		Heater clamp : open and close
	Reference guide	Video and PDF file stored in splicer
	Sheath clamp	Easy sleeve positioning clamp
	Electrode	Replaceable without tool

FUJIKURA 90R12

MASS FUSION MACHINE

- Up to 16 Fiber Ribbon Mass Fusion Splicer
- Minimizing the downtime on the field
- Universal Fiber Holder
- Active Fusion Control Technology
- Graphical User Interface with 5.0" Touchscreen
- Multi-function transit case with integrated workstation





Replaceable 200µm/250µm spacing V-groove



Motorized Blade



Stripping Condition Control

Standard Package


90R12


Battery Pack


AC Adapter


AC Power Cord


USB Cable


Fusion Splicer Strap


Electrode and 12 Fiber V- Groove


Hexagonal Wrench


V-groove Cleaning Brush


CARRYING CASE


Work Tray


Tripod Screw


Carrying Case Strap


Alcohol Dispenser


Quick Reference Guide

Items	Model
Clad Alignment Fusion Splicer	90 R12
Battery Pack	BTR-15
AC Adapter	ADC-20
AC Power Cord	ACC-14, 15, 16, 17 OR 18
USB Cable	USB-01
Fusion Splicer Strap	ST-02
Electrodes on spare V-groove	ELCT2-16B
12 fiber V-groove, spare	VG12-01, 250 to 255μm spacing
Hexagonal Wrench	HEX-01
V-groove Cleaning Brush	VCB-01
Carrying Case	CC-39
Work Tray Left	WT-09L
Work Tray Right	WT-09R
Work Tray J-plate	JP-09
Tripod Screw	TS-03
Carrying Case Strap	ST-03
Alcohol Dispenser	AP-02
Quick Reference Guide	QRG-03-E

Specifications

Fiber Alignment Method		Self Cladding Alignment with Surface Melting Tension
Fiber Count can be spliced		90R12: Up to 12 Fiber Ribbon
Applicable Fiber	Fiber Type	Multi Mode Optical Fiber
	Cladding dia.	Approx. 125µm
Applicable Coating	Fiber Holder	Coating Shape: Refer To Options
		Cleave length : Approx. 10mm
Fiber Splice Performance	Splice Loss *1	ITU-T G.652 : Avg. 0.05dB
		ITU-T G.851 : Avg. 0.02 dB
		ITU-T G.653 :p Avg. 0.08dB
		ITU-T G.655 : Avg. 0.08dB
		ITU-T G.657 : Avg. 0.05dB
	Splice time *3	SM FAST mode : Avg. 16 to 17sec.
		SM AUTO mode:P Avg. 19 to 20sec
Applicable Protection Sleeve	Sleeve type	Heat shrinkable sleeve
	Sleeve Length	Max. 66mm
	Sleeve dia.	Max. 6.0mm before shrinking
Sleeve heat performance	Heat time *3	40mm FP-05 mode: Avg 38 to 40 sec
		40mm FP-04T FAST mode: Avg 17 to 19 sec
		Single 60mm mode: Avg 13 to 15 sec
Fiber tensile test force		Approx 2.0N
Electrode life *4		Approx 1,500 splices
Physical Description	Dimensions W	Approx 170mm without projection
	Dimensions D	Approx 173mm without projection
	Dimensions H	Approx 150mm without projection
	Weight	Approx 2.6kg including battery
Environmental condition	Temperature	Operate - 10 to 50 °C
		Storage - 40 to 80 °C
	Humidity	Operate 0 to 95% RH non- condensing
		Storage 0 to 95% RH non- condensing
	Altitude	Max 3700m
Ac Adaptor	Input	AC100 to 240V, 50/60Hz, Mas, 1.5A
	Type	Rechargeable Lithium Ion
	Output	Approx. DC14. 4V, 6380mAh
Battery pack	Capacity*5	Approx. 164 splice and heat cycles

Specifications

	Temperature	Recharge 0 to 40°C
		Long Term Storage: -20 to 30°C
	Battery life *6	Approx 500 recharge cycles
Display	LCD monitor	TFT 4.9 inches with touch screen
	Magnification	Approx. 20X: 12 ribbon to 60X: single
Illumination	V-grooves	LED lamp
Interface	PC	USB2.0 Mini B type
	External LED lamp	USB2.0 A type Approx. DC5V, 500mA
	Ribbon Stripper	Mini DIN 6pin DC12V, Max. 1A
	Wireless *7	Bluetooth 4.1 LE
Data Storage	Splice Mode	100 splice modes
	Heat mode	30 heat modes
	Splice Results	10000 splices
	Splice Image	100 images
Scre hole for tripod		1/4-20UNC
Other Features	Automatic functions	Splice Mode select by fiber count analysis
		Fusion Power Calibration
		Wind protector: open and close
		Heater lid: open and close
		heater clamp: open and close
	Reference guide	Video and PDF file stored in splicer
	Electrode	Replaceable without tool

Sumitomo

SUMITOMO
TYPE-82C+

HIGH DEFINITION CORE ALIGNING FUSION MACHINE

- Automatic fiber identification (SMF, MMF, DSF, NZDSF, BIF, other)
- Automatic arc calibration.
- Supports bi-directional splicing operation.
- Remote interactive maintenance via internet
- Equipped with onboard user training video





Compact & lightweight (only 1.9 kg).



Dust-resistant, water-resistant and shock-proof



Brand-new touch panel and UI

Standard Package


Carrying Case With Worktable CC-82


Handy Cleaver FC-8R series


Table-top cleaver FC-6/ FC-6R series


Jacket Remover JR-M03


Splice-on Connector


Electrode ER-10

Items	Model
Battery Module	BU-16
Power Supply Module	ADC-16
Power Cord	PC-AC-5
Spare Electrode	ER-10
Carrying Case With Work Table	CC-82C
Hand Strap	
Quick Reference Guide	
Cooling Tray	
Optional Accessories	
High Precision Cleaver	FC-8R-FC
Car Battery Cable	PCV-16
Jacket Remover	JR-M03
Cable Stripper	ND-800
Alcohol Dispenser	HR-3
Buffer Tube Cutter	Ideal
Lint free Cloth	Kimwipes
Kevlar Scissors	

Specifications

Optical fiber requirements		
Material	Silica glass	
Profile types	SMF(G.652),MMF(G.651),DSF(G.653),NZDSF(G.655),BIF(G.657),EDF	
Fiber diameter	Cladding diameter: 80 μm ~ 150 μm, Coating diameter: 100 μm ~ 1,000 μm	
Applicable fiber or cable size	up to $1,000 μm	Drop cable (2.0x3.1mm), Indoor cable (2.0x2.0 mm)
Cleave length	5-16mm	10mm
Standard performance		
Splice loss(typical)	SMF: 0.01 dB, MMF: 0.01 dB, DSF: 0.034 dB, NZDSF: 0.03 dB	
Splicing cycle time(typical)	5 sec. (Quick mode), 7 sec. (SMF standard mode), 7 sec. (Auto mode)	
Heating cycle time(typical)	9 sec	
Splice & Heat cycles	Approx.300	
Fiber view & magnification	(760X) for X or Y single axis view, 270X for both X & Y dual axis view	
Splicing programs	Max.300	
Heating programs	Max.100	
Functions		
Loss estimation	Provided	
SPlice image capture/ Splice data storage	200 images/10,000 splice data	
Proof test	1.96N (200gf)	
Universal clamps for 250μm, 900μm tight & loose buffer fiber	Provided	
Reversible coating clamps	Provided	
Dual automatic independent heaters	Provided (US patent 7,412,146)	
User-selectable heater clamp operation	Provided	
On-board user training video	Provided	
Automatic arc calibration	Automatically compensates for environmental condition changes	
Arc test	Provided	
Display of remaining Splice & Heat cycles	Provided (battery mode)	
Remote interactive maintenance	Provided	

Specifications

Terminals	
DC output	DC12 V (for JR-6)
USB port	USB 2.0 (mini-B type)
Storage media	SD/SDHC memory card
Power supply	
AC input	100~240V, 50/60 Hz (ADC-1430)
DC input	10~15 V
Battery module	Li-ion 10.8 V, 6,400 mAh (BU-16)
Mechanical Parameters	
Monitor	5.0" touch screen color LCD display
Size	128(W) x 154(D) x 130(H) mm (without anti- shock rubber)
Weight	1.9 kg (without battery), 2.2 kg (with battery)
Electrode life	3,000 arc discharges
Environment	
Operating conditions	Altitude 0~6,000 m, Temperature -10~+50°C, Humidity 0~95% (non-condensing), Wind velocity up to 15 m/s
Storage conditions	Temperature -40~+80°C, Humidity 0~95% (non- condensing), Battery -20~+30°C (long term)
Dust resistance	Equivalent to IP5x (Operates normally after 8 hours in a dust chamber (containing dust of particle size 25 um or below
Water resistance	Equivalent to IPX2 (Operates normally after being exposed to water dripping at 3mm/min. for at least 2.5 min on each of 4 surfaces tilted at 15°)
Shock resistance	Drop from 76cm on 5 faces (excluding top face)

SUMITOMO ELECTRIC

SUMITOMO
TYPE-72M12

RIBBON FIBER FUSION MACHINE

- High speed dual independent ovens
- High resolution touchscreen monitor
- Proven field toughness
- Wireless LAN connectivity and “SumiCloud”
- Long life battery

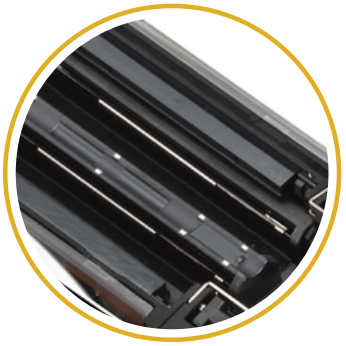




Toolless electrode replacement/mirror free alignment system



Active ACAS Optimises Splice Loss 0.05dB



11 seconds splicing, 35 seconds heating

Specifications

Items		TYPE-72M12
Optical fiber requirements	Material	Silica glass
	Profile Types	Single/ SMF(G652), MMF(G651), DSF(G653), NZDSF(G655), BIF(G657)
	Fiber Count	1, 2, 4, 5, 6, 8, 10, 12
	Cladding Diameter	125μm
	Coating Diameter	Single fibre coating dia: 200μm, 250μm, 500μm, 900μm Ribbon fibre thickness: 200-400μm
	Applicable Cable	Drop cable(2.0mmx3.1,or2.6mm), Indoor cable(2.0mm*1.6mm)
	Cleave length	10mm
Standar Performance	Splice loss (typical)*1	SMF 0.05dB, MMF 0.02dB, DSF 0.08dB
	Splice time (typical)	11sec (SM 12c Quick Mode), 14 sec (SM 12c Std. Mode)
	Heating time (typical)	35sec (FPS-6 sleeves, 40mm 1-12c Quick Mode)
	Splice & Heat cycles per battery full charge*2	Approx 180
	Fibre view & magnification	2 CMOS cameras observation, 23X (zoom 46X)
	Proof test	1.96-2.09 N
	Applicable protection sleeve	60mm, 40mm & Sumitomo Electric nano sleeves
Programs	Splice Programs	Max 300
	Heating Programs	Max 100
Functions	Splice image capture / Splice data storage	200 images/10,000 splice data (internal memory only) 50,200 images / 20,000 splice data (with 16GB SD card)
	Automatic fiber count detection	Provided
	Automatic arc calibration	Automatically compensates for environmental condition changes
	Auto clamping adjustment system	Provided
	Reversible fibre holder system	Provided
	Dual automatic independent heaters	Provided
	User-selectable heater clamp operation	Provided
	Display of remaining Splice & Heat cycles	Provided (Battery mode)
	Onboard user training video	Provided
	Wireless LAN connectivity (option)	Provided

Size/Weight	Size	128 (W) x 154 (D) x 130 (H) mm (without anti-shock rubber)
	Weight	1.8kg(without Battery) / 2.1kg (with Battery BU-16)
	Monitor	5.0" touch screen color LCD display

Specifications

Terminals	DC output	DC 12V (for JR-6+)
	USB port	USB2.0 (mini-B type)
	Storage media	SD/SDHC memory card MAX32GB
Power supply	AC input	AC 100-240V, 50/60Hz (ADC-16)
	DC input	DC 10-15V, 7.5A
	Battery pack	Li-ion 10.8V, 6400mAh (BU-16)
Operating Condition		Altitude: 0-3,660m, Temparature: -10-50°C, Humidity: 0-95% (non-condensing), Wind velocity: up to 15m/sec
Storage Condition		Temparature: -40-80°C, Humidity: 0-95%, Battery: -20-30°C(long term)
Electrode Life		1,500 arc discharges
Software Updates		Internet
Data Management		Can be stored, edited and analyzed by dedicated PC software

Environmental Durability

Test Details	
Shock resistance	Drop from 76cm on 5 faces (excluding top face)
Impact resistance	Equivalent to IK07 on LCD monitor
Water resistance	Equivalent to IPx2
Dust resistance	Equivalent to IP5x

Basic Accessories

Part name	Part No.	Oty.
AC adapter	ADC-16 series	1 pc
AC power cord	PC-AC<X>*	1 pc
Cooling tray	----	1 pc
Spare Electrode	ER-10	1 pair
Quick Reference Guide	----	1 pc
Operational CD manual	----	1 pc
Carrying case with worktable	CC-72	1 pc
Hand strap	----	1 pc
USB cable	----	1 pc

SUMITOMO ELECTRIC

SUMITOMO
T-502S

ELITE ACTIVE CLAD ALIGNMENT FUSION MACHINE

- Advanced AI & Precision Features
- 6 Second Splicing
- 5" Touch Screen
- 12 Second Single Automatic Oven
- 90% Splicing Success Rate





Innovative Fiber Type Detection



User-Friendly Design for Field Work



Smart Connectivity with SumiCloud

Specifications

Items		T-502S
Optical fiber requirements	Material	Silica glass
	Fibre count/Profile types	Single/SMF(G.652), MMF(G.651), DSF(G.653), NZDSF(G.655), BIF(G.657)
	Fibre diameter	Cladding diameter: 125 µm, Coating diameter: 100 to 1,000µm
	Cleave length	5 to 16mm for single fiber, 8mm for drop cable
Standar Performance	Splice loss (typical)*1	SMF: 0.03dB, MMF: 0.01dB, DSF : 0.05dB, NZDSF: 0.05dB
	Return loss (typical)	60dB or greater
	Splice time (typical)	6sec (SM G652 Quick Mode)
	Heating time (typical)	12sec (FPS-61-2.6 sleeve, S60mm 0.25 Quick Mode)
	Splice & Heat cycles per battery full charge*2	Approx. 250 (BU-17)
	Fibre view & magnification	2 CMOS cameras observation, 180X (zoom: 370X) for X or Y single axis view
	Proof test	1.96 - 2.09N
	Applicable protection sleeve	60mm, 40mm & Sumitomo Nano sleeves
Programs	Splice Programs	Max. 300, 18 are pre-optimised, 282 editable by user
	Heating Programs	Max. 100, 27 are pre-optimised, 73 editable by user
Functions	Splice image capture / Splice data storage	200 images / 10,000 splice data (internal memory only) 50,200 / 20,000 (With 16GB SD card)
	Auto-start	Splice/Heating
	Multi clamp	Provided, 250µm, 900µm tight & loose buffer fiber, 2&3mm jacket cord and rectangular drop cable, 3.5mm round drop cable
	Heater clamp for splice on connector	Provided
	Automatic Fiber Identification	SMF/MMF
	Automatic arc calibration	Automatically compensates for environmental condition changes
	Core loss Estimation	Provided, HCA : Hot Core Analyzing
	Wireless LAN connectivity (Option)*4	Provided
	Onboard user training video	Provided

Size / Weight	Size	126(W) x 154(D) x 83(H) mm (without protrusion)
	Weight	0.9kg (without Battery), 1.1kg (with Battery BU-17)
	Monitor	4.3 inch color LCD display with capacitive touch screen

Specifications

Terminals	USB port	USB 2.0 (mini-B type)
	Storage media	SD/SDHC memory card Max32GB
Power Supply	AC input	AC 100-240V, 50 / 60Hz (ADC-15)
	DC input	DC 10 - 15V
	Battery pack	Li-ion 10.8V, 4,560mAh (BU-17)
Operating Condition		Altitude: 0~5,000m, Temperature: -10 ~ +50°C, Humidity: 0~95% RH (non-condensing), Wind velocity: up to 15m/sec
Storage condition		Temperature: -40~+80°C, Humidity: 0~95%RH (non-condensing), Battery: -20 ~ +30°C (long term)
Electrode life *5		6,000 arc discharges
Software updates		Internet
Data management		Can be stored, edited and analyzed by dedicated PC software

Environmental Durability

Test Details	
Shock resistance	Drop from 76cm on 5 faces (excluding top face)
Rain resistance	Equivalent to IPx2
Dust resistance	Equivalent to IP5x

Standard Kit Contents

Part name	Part No.	Oty.
AC adapter	ADC-15	1 pc
AC power cord	PC-AC<*>-2P	1 pc
Battery pack	BU-17	1 pc
Spare Electrode	ER-17	1 pair
Quick Reference Guide	----	1 pc
Carrying case	CC-17	1 pc
Working tray	WT-17	1 pc
Shoulder Belt	----	1 pc
USB Cable	----	1 pc

SUMITOMO ELECTRIC

SUMITOMO
T-402S

ACTIVE CLAD ALIGNMENT FUSION MACHINE

- Glass melting technology
- Cutting edge AI technology
- Prediction of core position
- 250 Splice Cycle
- Optimised algorithm
- IP52, Water & Dust Resistance





Compact and Lightweight - weighs 1.2kg with battery



Dust-resistant, water-resistant and shock-proof



Withstands 76cm drops on 5 faces, 4 edges, and corners

Specifications

Items		T-402S
Optical fiber requirements	Material	Silica glass
	Fibre count/Profile types	Single / SMF(G.652), MMF(G.651), DSF(G.653), NZDSF(G.655), BIF(G.657)
	Fibre diameter	Cladding diameter: 125μm, Coating diameter : 250~1,000μm
	Cleave length	5 to 16mm for single fibre
Standar Performance	Splice loss (typical)*1	SMF : 0.03dB, MMF : 0.01dB, DSF : 0.05dB, NZDSF : 0.05dB
	Return loss (typical)	60dB or greater
	Splice time (typical)	6sec(SM G652 Quick Mode)
	Heating time (typical)	12sec (FPS-61-2.6 sleeve, S60mm 0.25 Quick Mode)
	Splice & Heat cycles per battery full charge*2	Approx. 250 (BU-17)
	Fibre view & magnification	2 CMOS cameras observation, 140X (zoom : 370X) for X and Y axis view
	Proof test	1.96 ~ 2.09N
	Applicable protection sleeve	60mm, 40mm & Sumitomo Nano sleeves
Programs	Splice Programs	Max. 300, 16 are pre-optimised, 284 editable by user
	Heating Programs	Max. 100, 27 are pre-optimised, 73 editable by user
Functions	Splice image capture / Splice data storage	200 images / 10,000 splice data (internal memory only) 50,200/20,000 (With 16GB SD card)
	Auto-start	Splice/Heating
	Multi clamp	Provided, 250μm, 900μm tight & loose buffer fibre, 2 & 3mm jacket cord and rectangular drop cable, 3.5mm round drop cable
	Heater clamp for splice on connector	Provided
	Automatic arc calibration	Automatically compensates for environmental condition changes
	Wireless LAN connectivity (Option)*3	Provided
	Onboard user training video	Provided
Size / Weight	Size	126(W) x 154(D) x 83(H) mm (without protrusion)
	Weight	0.9kg (without Battery) / 1.2kg (with Battery BU-17)
	Monitor	4.3" color LCD display

Specifications

Items		T-402S
Terminals	USB port	USB 2.0 (mini-B type)
	Storage media	SD/ SDHC memory card Max 32GB
Power Supply	AC input	AC 100~ 240V, 50/60Hz (ADC-15)
	DC input	DC 10~15V
	Battery pack	Li-ion 10.8V, 4,560mAh (BU-17)
Operating Condition		Altitude: 0~ 5,000m, Temperature: -10~ +50°C, Humidity: 0~ 95%RH(non-condensing), Wind velocity: up to 15m/sec
Storage condition		Temperature: -40~ +80°C, Humidity: 0~ 95%RH(non-condensing), Battery: -20~+30°C (long term)
Electrode life *4		6,000 arc discharges
Software updates		Internet
Data management		Can be stored, edited and analyzed by dedicated PC software

Environmental Durability

Test Details	
Shock resistance	Drop from 76cm on 5 faces (excluding top face), 4 edges and corners (bottom face only)
Water resistance	Equivalent to IPx2
Dust resistance	Equivalent to IP5x

Basic Accessories

Part name	Part No.	Oty.
AC adapter	ADC-15	1 pc
AC power cord	PC-AC*-2P	1 pc
Battery pack	BU-17	1 pc
Quick reference guide	---	1 pc
Carrying case	CC-18	1 pc
Working tray	WT-18 with WSK-18 & TA-18	1 pc

SKYCOM®

SKYCOM
T-207H

HIGH PRECISION CLAD ALIGNMENT FUSION MACHINE

- 5inches high resolution colorful LCD display
- Average splice time: 10 seconds
- Average tube-heat time: 25 seconds
- Splicing mode: Auto & Manual & Full Automation
- up to 200 times of continuous splice and heat





UHF/VHF Frequency Bands



CTCSS/DCS Signaling



Multiple Channel Capacity

Specifications

Applicable Fibers	SM, MM, NZ-DS, EDF , Pigtail, Cable, Rubber-insulated wire Series
Average Splice Loss	0.02dB(SM), 0.01dB(MM), 0.04dB(NZDS), 0.04dB(EDF)
Return Loss	≥60dB
Tension Test	2.0N(200gf)(Standard)
Typical splicing time	10 seconds
Typical heating time	25 seconds
Typical splice time	6 sec. SM FAST
Splicing Program	50 groups
Protection Sleeve Length	20mm, 40mm, 60mm
Operating Language	Multi-language
Operating Conditions	-10~+50°C(operation temperature),0~95% RH(humidity), 0~5000m(altitude)
Power Supply	AC adaptor:100~240V input voltage,50/60Hz;11.1V,5A output voltage(DC) Inner lithium battery:11.1V,5.2AH
Monitor	5inches high resolution colorful LCD display
Fiber Image Magnification	Simultaneous X and Y views with 220 times magnification
Storage of Splice Result	6,000groupsof latest splice results
Splicing Model	Auto & Manual & Full Auto
Optical Fiber Fixture	Bare Fiber & Rubber-insulated Wire
Dimensions	130(W)*130(D)*130(H)mm
Weight	2.5kg

Standard Package

Item	Quantity
Fusion Machine T-207H	1
Fiber Cleaver	1
Fiber Stripper	1
Battery	1
Charger	1
Spare Electrodes	1
Cooling Tray	1
Quick Reference Guide	1
Rubber-Insulated Wire Strippers	1
Transit Case with Carrying Strap	1

SKYCOM®

SKYCOM
T-307

OPTICAL FIBER FUSION SPLICER

- 4.3 inches high resolution colorful LCD display
- 8 seconds splicing time, 20 seconds heating time
- Average Splice Loss 0.02dB(SM), 0.01dB(MM), 0.04dB(NZDS), 0.04dB(EDF)
- The internal 5200mAh lithium battery supports up to 220 splice and heat cycles on a single charge.
- Storage of Splice Result 6,000 groups of latest splice results,100 images





Dimensions:
124(W)*131(H)*121(D)mm



Fiber Image Magnification
X or Y Separately 400 times
or Simultaneously 270 times



Applicable Fibers
Single/SMF (G.652/657), MMF (G.651), DSF (G.653), NZDSF (G.655), FTTH drop cable, SC/LC/FC connector (optiona)

Standard Package


T-307 Fusion Machine


T-905 Fiber Cleaver


Extra Electrodes


AC Adapter/Charger


Shoulder Strap


Fiber Stripper


Drop Cable Stripper


Cooling Tray

Specifications

Applicable Fibers	Single/SMF (G.652/657), MMF (G.651), DSF (G.653), NZDSF (G.655), FTTH drop cable, SC/LC/FC connector (optional)
Average Splice Loss	0.02dB(SM), 0.01dB(MM), 0.04dB(NZDS), 0.04dB(EDF)
Return Loss	≥60dB
Quick splicing time	8 seconds
Quick heating time	20 seconds
Operating Language	English, French, Portuguese, Spanish, Italian, Russian Indonesian
Operating Conditions	-10~+50°C(operation temperature),0~95% RH(humidity), 0~5000m(altitude)
Fiber Image Magnification	X or Y Separately 400 times or Simultaneously 270 times
Estimated Splice Loss	Available
Cleaving angle detection	Available
Storage of Splice Result	6,000 groups of latest splice results,100 images
Power Supply	Inner lithium battery: 10.95V, 5.2 Ah, 5200mAh, Up to 220 times splice and heat
Dimensions	124(W)*131(H)*121(D)mm
Weight	1.26kg(without battery pack)

Key Features Of Portable Fiber Fusion Splicer

RAPID SPLICING AND HEATING CAPABILITIES

Our FTTH fusion splicer delivers an eight-second quick splicing time alongside a twenty-second rapid heating process. These fast cycle times significantly enhance daily operational efficiency for field technicians. The internal 5200mAh lithium battery supports up to 220 splice and heat cycles on a single charge. This sustained power capacity ensures uninterrupted workflow during demanding daily telecommunications deployments, reducing the need for frequent site recharging.

HIGH RESOLUTION VISUAL DISPLAY

The T-307H incorporates a 4.3-inch high-resolution colorful LCD display for clear operational visibility. Users can observe fiber images with X or Y axes magnified separately up to 400 times. Simultaneous viewing magnifies the image 270 times for detailed precision inspection. This superior visual feedback guarantees accurate alignment within our optical fiber splicing machine. It helps operators detect minute fiber flaws before finalizing the splice.

EXTENSIVE DATA STORAGE CAPACITY

Operators can store up to 6000 groups of the latest splice results directly on the unit. The system also retains 100 images for comprehensive quality tracking and later review. The inclusion of cleaving angle detection and estimated splice loss features aids in maintaining strict operational quality control. Such data management is vital for professional fiber optic tools utilized in large-scale networking projects.

Product Applications Of Portable Fiber Fusion Splicer

FIBER TO THE HOME DEPLOYMENTS

Our telecom fiber splicer excels in Fiber to the Home infrastructure setups. Technicians utilize the T-307H to seamlessly connect residential drop cables to main distribution networks. The low average splice loss of 0.02dB for single-mode fibers ensures optimal broadband speeds for end consumers. The compact lightweight body allows easy maneuvering within confined residential installation spaces, streamlining the final connection phase for technicians.

METRO AREA NETWORK CONSTRUCTION

Urban telecommunication expansions require durable equipment capable of handling various fiber types. Our splicing device accommodates G.651, G.652, G.653, G.655, and G.657 optical fibers seamlessly. It functions reliably across varied operating conditions ranging from minus ten to fifty degrees Celsius. The robust build supports technicians working up to 5000 meters in altitude during extensive city network upgrades and backbone maintenance.

TARATEL
TELECOM SUPPLIES TRADING

FIBER CLEAVERS



TEKCN

TEKCN
C-35

ONE-STEP FIBER CLEAVER

- Provides approximately 48,000 cleaves
- With stable processing quality
- High processing accuracy
- High repeatability
- Produced by professional CNC equipment



Detailed View:



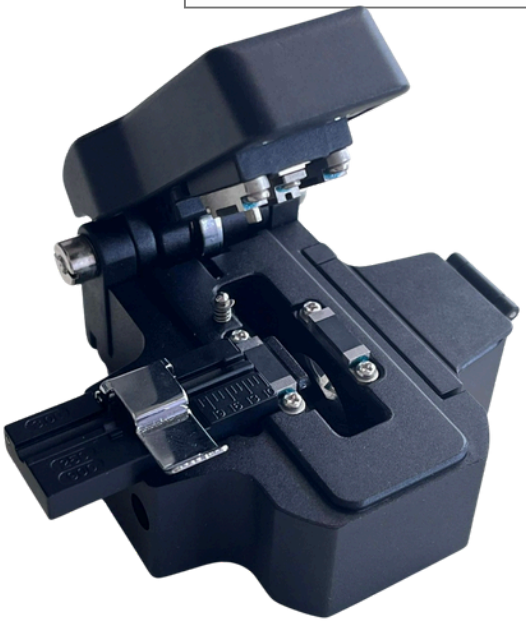






SPECIFICATION

Product Model	C-35
Product Weight	Approximately 205g
Product Size	85 (W) x 75 (D) x 45 (H) mm
Cutting Angle	≤ 0.6°
Fiber Diameter	125μm
Cutting Fiber Length	9-24mm
Applicable Fiber Types	φ0.25/φ0.9/φ3.0/3.02.0mm
Blade Lifespan	Approximately 48,000 cuts
Applicable Fiber	tone fiber (requires special tools for cutting the fiber optic cable)
Blade Size	Outer diameter 20.0 inner hole 4.0 thickness 2.0mm

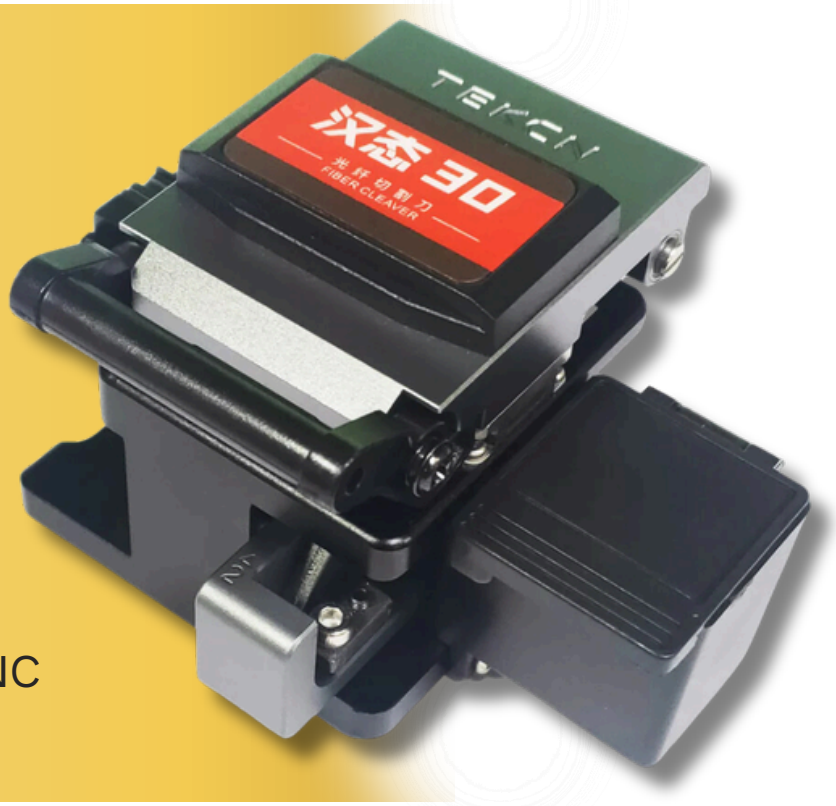


TEKCN

TEKCN
C-30

HIGH PRECISION FIBER CLEAVER

- Provides approximately 48,000 cleaves
- With stable processing quality
- High processing accuracy
- High repeatability
- Produced by professional CNC equipment



Detailed View:









SPECIFICATION

Appling Fiber	Single Fiber
Fiber Type	0.25/0.9/3.0mm optical fiber
Coating Diameter	125μm
Cleaved Length	9-24mm
Cleaved Angle	≤0.6
Blade Life	48,000 fibers
Mode	Semi-automatic



TEKCN

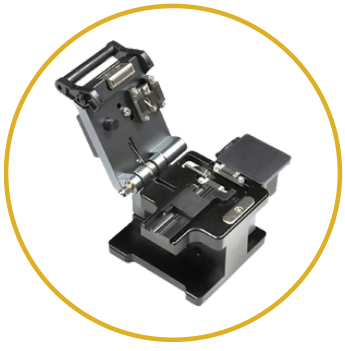
TEKCN
C-36

HIGH QUALITY FIBER CLEAVER

- Provides approximately 48,000 cleaves
- With stable processing quality
- High processing accuracy
- High repeatability
- Produced by professional CNC equipment



Detailed View:









SPECIFICATION

Appling Fiber	Single Fiber
Fiber Type	0.25/0.9/3.0mm optical fiber
Coating Diameter	125μm
Cleaved Length	9-24mm
Cleaved Angle	≤0.6
Blade Life	48,000 fibers
Mode	Semi-automatic



TEKCN

TEKCN
C-20

HIGH QUALITY FIBER CLEAVER

- Provides approximately 48,000 cleaves
- With stable processing quality
- High processing accuracy
- High repeatability
- Produced by professional CNC equipment



Detailed View:









SPECIFICATION

Appling Fiber	Single Fiber
Fiber Type	0.25/0.9/3.0mm optical fiber
Coating Diameter	125μm
Cleaved Length	9-24mm
Cleaved Angle	≤0.6
Blade Life	48,000 fibers
Mode	Automatic



COMWAY TECHNOLOGY

COMWAY
CC-03

ONE-STEP FIBER CLEAVER

- High precision one-step fiber cleaver
- Small and lightweight, one-step fiber cleaver
- Automatic blade changing, fast and convenient
- Automatic one-step press back to complete cutting
- Ergonomic design to relieve hand fatigue



Detailed View:









SPECIFICATION

Applicable Fibers	Single-mode or Multi-mode Use
Fiber Diameter	125μm
Coating Diameter	250μm - 900μm
Typical Cleave Angle	0.5 Degrees
Cleave Length	5 - 16mm
Blade Life Time	48,000 cleaves 2,000 per blade position)

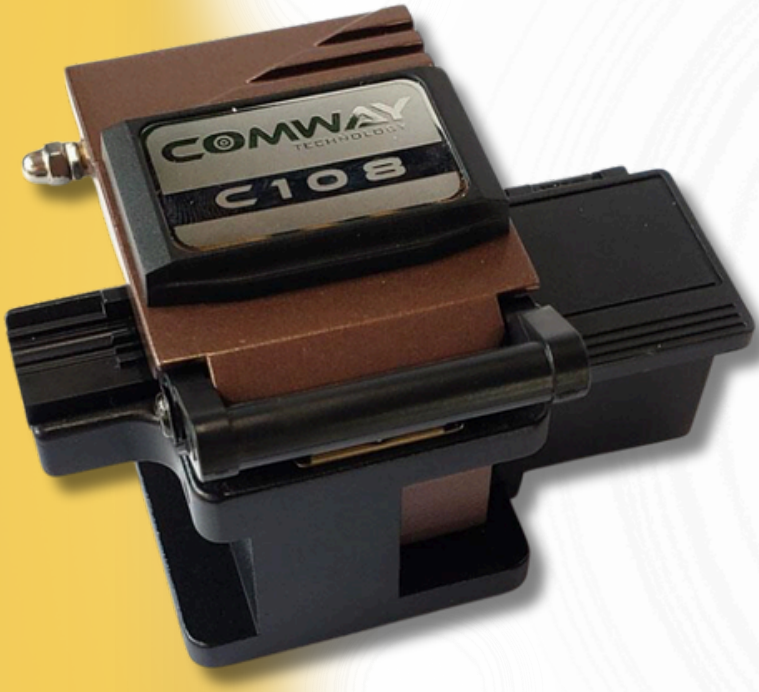


COMWAY TECHNOLOGY

COMWAY C108

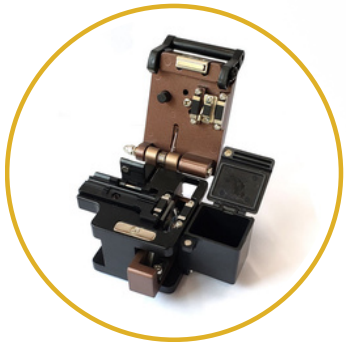
HIGH PRECISION CLEAVER

- Compact body & light weight
- 250µm coated, 900µm/2-3mm buffer fiber
- 24 Position Rotatable and Replicable Blade
- Singlemode or Multimode Use
- Provides approximately 48,000 cleaves



Detailed View:



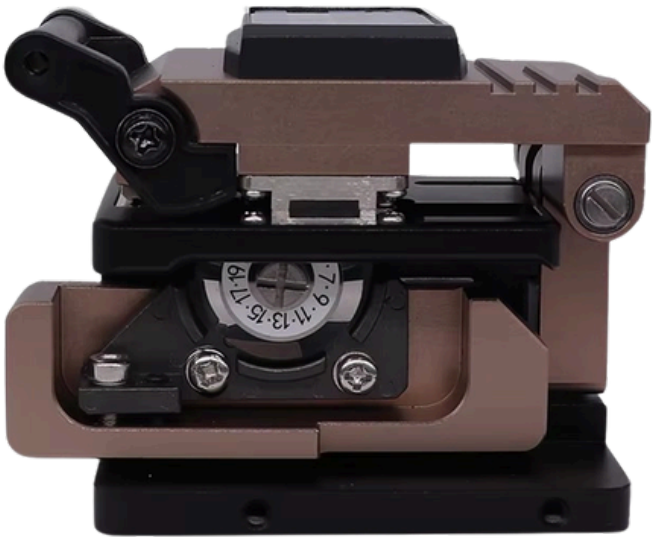






SPECIFICATION

Applicable Fibers	Single-mode or Multi-mode Use
Fiber Diameter	125μm
Coating Diameter	250μm - 900μm
Typical Cleave Angle	900 ± 0.50
Cleave Length	5 - 16mm
Blade Life Time	48,000 cleaves (2,000 per blade position)
Cleaver Dimensions	62 x 60 x 60mm
Weight	About 380g



COMWAY TECHNOLOGY

COMWAY C109

HIGH PRECISION CLEAVER

- Compact body & light weight
- 250µm coated, 900µm/2-3mm buffer fiber
- 24 Position Rotatable and Replicable Blade
- Singlemode or Multimode Use
- Provides approximately 48,000 cleaves



Detailed View:









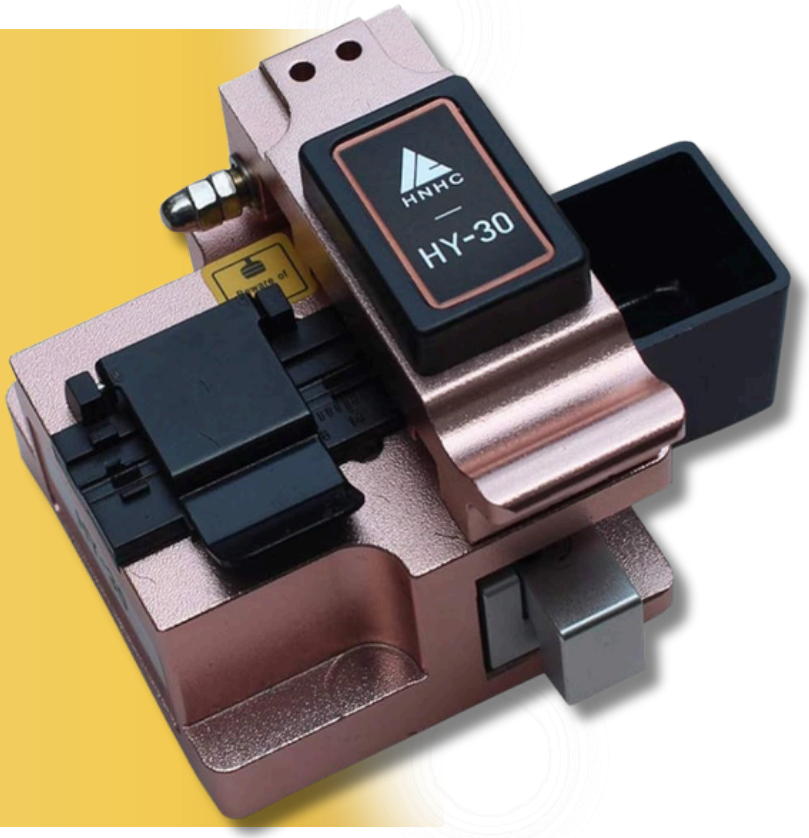
SPECIFICATION

Applicable Fibers	Single-mode or Multi-mode Use
Fiber Diameter	125µm
Coating Diameter	250µm - 900µm
Typical Cleave Angle	0.5 Degrees
Cleave Length	5 - 20mm (Single Fiber - 0.25mm Coating), 10 - 20mm (Single Fiber - 0.9mm Coating)
Blade Life Time	48,000 cleaves 2,000 per blade position)
Cleaver Dimensions	62 x 60 x 60mm
Weight	380g



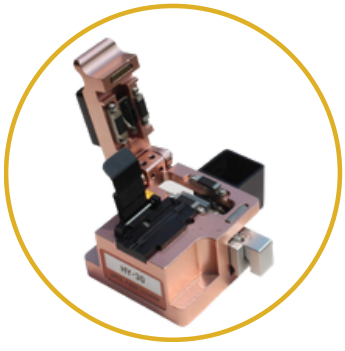
HNHC
HY-30

FIBER CLEAVER

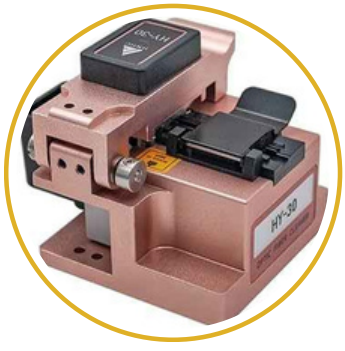


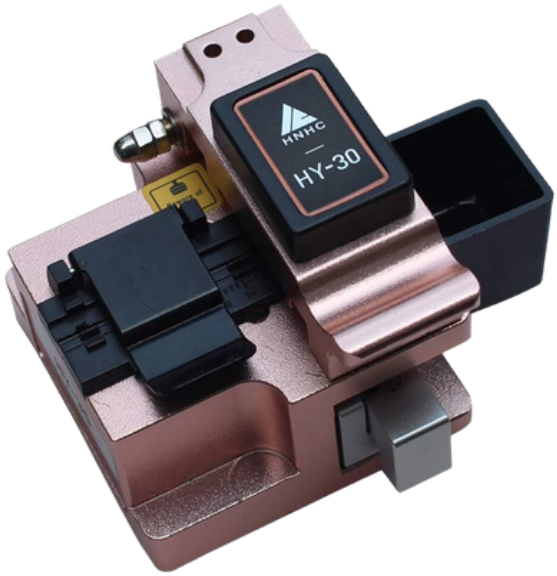
- High Precision Blade
- Optical Fibber Cutter
- Singlemode or Multi-mode Fibers
- Durable and Lightweight

Detailed View:







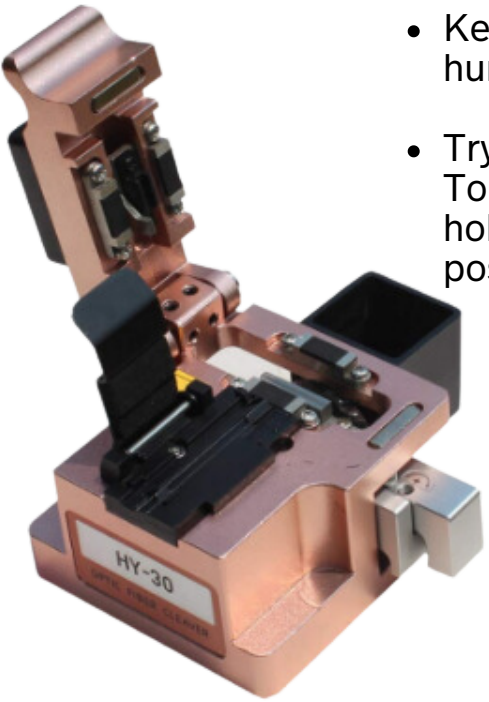


SPECIFICATION

Fiber cleaver hy-30 Optical cable Fiber cutter ofc cleaver FTTH machine cutting knife high precision blade FTTH tools

Fiber Diameter	125μm
Coating Diameter	0.25&0.9mm
Typical Cleave Angle	0.5 Degrees
Cleave Length	0.25mm fiber 9~16mm 0.9mm fiber 10~16mm

CAUTION:



- Keep cleaver away from water place cleaver away from humid and dusty place keep it in normal temperature
- Try not to use acetone or solvent when you clean the rubber To change the multi-mode,use the proper tools to change a holder on the edge of the blade the channel (cleaving position)from 1-24 is marked

FIBER CLEAVER
FC-6S

- Cold connection tool, single-mode or multimode use.
- High precision cleaves, 250um coated or 900um buffer fiber.
- Contained 12 position blade, life time up to 36,000 cleaves.
- Large & small adjustable knife, easy to operate.
- Compact body & light weight.



Detailed View:









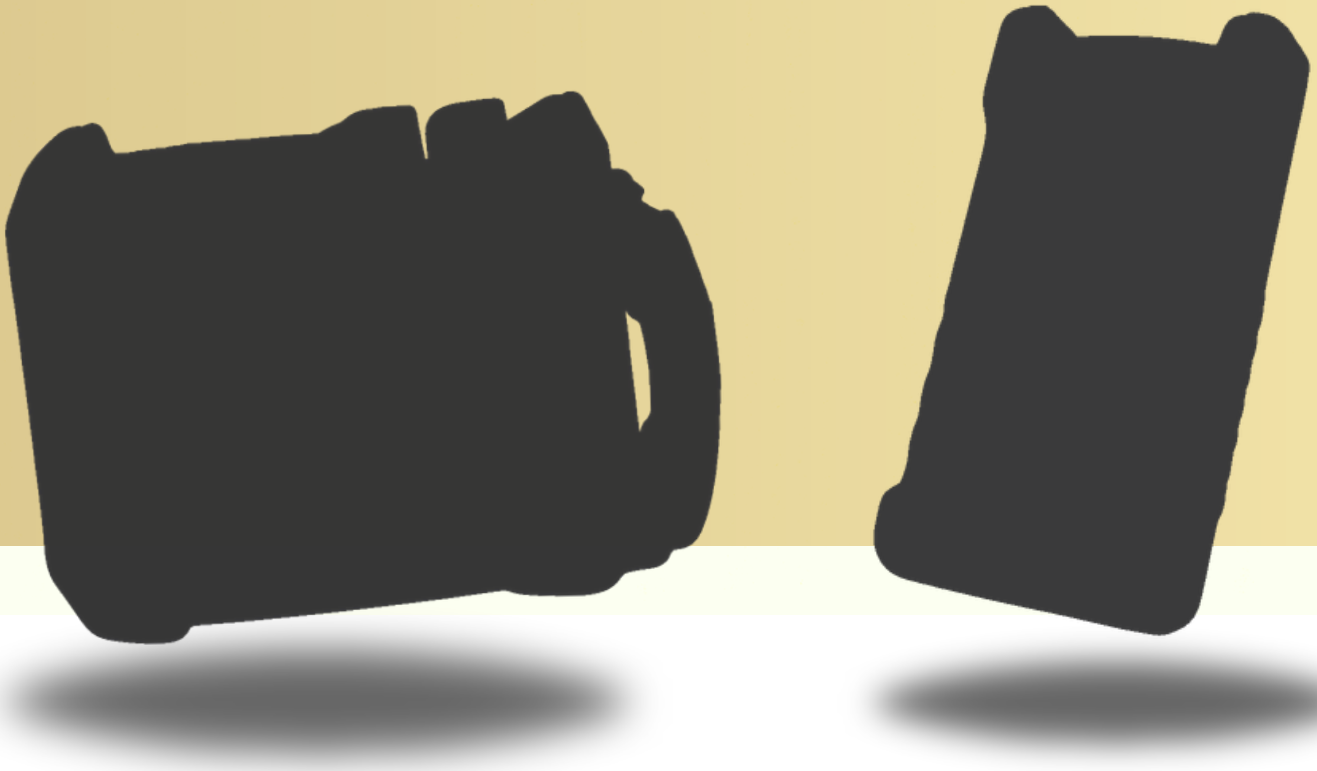
SPECIFICATION

Weight	10.6 ounces
Product Dimensions	3.1 x 2.8 x 2.8 inches
Material	fiber, Mental
Installation Method	Self already Installation
Blade Edge	Serrated
Measurement System	Metric
Special Features	Portable



OTDR

OPTICAL TIME DOMAIN REFLECTOMETER



HSV
www.honserv.com.hk

HONSERV
HSV-110D

PORTABLE MULTI-FUNCTION OTDR



- 1310/1550nm (Singlemode)
- 3.5 inch touch screen
- Event Map Ready
- With built-in OPM, OLS, VFL, Loss Test, and Hidden RJ45 Test Device
- 20 hours high capacity battery



Press the power button twice to turn on the LED lighting



Hidden RJ45 Test Device



USB Type-C Charging Port

Specifications

Model	HSV-110D
Wavelength (nm)	1310/1550nm
Dynamic (dB)	24/22 (dB)
Event Dead Zone (m)	2.5(m)
Attenuation Dead Zone(m)	8(m)
Distance Range	100m/500m/1km/5km/10km/20km/40km/60km/80km
Pulse width (ns)	5ns/10ns/20ns/50ns/100ns/200ns/500ns/1us/2us/5us/10us
Distance Accuracy (m)	±(1m + sampling interval + 0.005% × measurement range)
Linerity (dB/dB)	±0.2dB/dB
Sampling Points	20000
Sampling Resolution	25cm~8m
Loss Resolution (dB/dB)	0.001dB
Range Resolution	0.001m
Refractive Index	1.00000 - 2.00000
Reflection Accuracy	±3dB
File Format	SOR
Optical Connector	FC/SC/ST

OPM

Wavelength(nm)	850nm ~ 1650nm
Calibration Wavelength	850/1300/1310/1490/1550/1625/1650nm
Measurement Range	A:-70~+10dB B:-50~+26dB
Identification Frequency	270Hz/330Hz/1kHZ/2kHz
Uncertainty	±5%
Optical Connector	2.5mm universal connector (FC/SC/ST)

VFL

Output Wavelength	650nm
Laser Type	FP-LD
Output Power	-5dm±2dB
Uncertainty	±5%
Optical Connector	2.5mm universal connector (FC/SC/ST)

HSV
www.honserv.com.hk

HONSERV
HSV-110D

PORTABLE MULTI-FUNCTION OTDR



- 1625nm (Live Test)
- 3.5 inch touch screen
- Event Map Ready
- With built-in OPM, OLS, VFL, Loss Test, and Hidden RJ45 Test Device
- 20 hours high capacity battery



Press the power button twice to turn on the LED lighting



Hidden RJ45 Test Device



USB Type-C Charging Port

Specifications

Model	HSV-110D
Wavelength (nm)	1625nm
Event Dead Zone (m)	2.5(m)
Attenuation Dead Zone(m)	8(m)
Distance Range	100m/500m/1km/5km/10km/20km/40km/60km/80km
Pulse width (ns)	5ns/10ns/20ns/50ns/100ns/200ns/500ns/1us/2us/5us/10us
Distance Accuracy (m)	±(1m + sampling interval + 0.005% × measurement range)
Linerity (dB/dB)	±0.2dB/dB
Sampling Points	20000
Sampling Resolution	25cm~8m
Loss Resolution (dB/dB)	0.001dB
Range Resolution	0.001m
Refractive Index	1.00000 - 2.00000
Reflection Accuracy	±3dB
File Format	SOR
Optical Connector	FC/SC/ST

OPM

Wavelength(nm)	850nm ~ 1650nm
Calibration Wavelength	850/1300/1310/1490/1550/1625/1650nm
Measurement Range	A:-70~+10dB B:-50~+26dB
Identification Frequency	270Hz/330Hz/1kHZ/2kHz
Uncertainty	±5%
Optical Connector	2.5mm universal connector (FC/SC/ST)

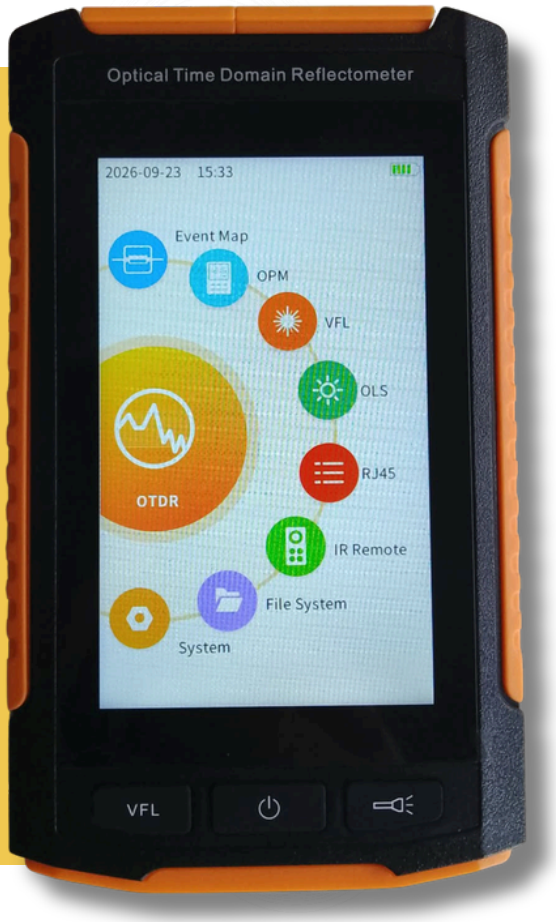
VFL

Output Wavelength	650nm
Laser Type	FP-LD
Output Power	-5dm±2dB
Uncertainty	±5%
Optical Connector	2.5mm universal connector (FC/SC/ST)

HSV
www.honserv.com.hk

HONSERV
HSV-100D

HANDHELD MULTI-FUNCTIONAL OTDR



- 1310/1550nm (Singlemode)
- High-precision OTDR with up to 80km range
- With touchscreen & physical buttons for flexible operation
- Built-in RJ45 tester for copper certification
- Hidden ports & rubber armor for rugged field use







Specifications

OTDR		
Test Wavelength	1550±20nm	1310/1550±20nm
Dynamic Range	20dB	22/20dB
Input Light Detection	Support; 1490nm < 9dBm, 1577nm < 6dBm	No Support
Attenuation Dead Zone	1.5 m	
Event Dead Zone	8 m	
Max Sampling Resolution	0.16 m	
Test Range	0.1~80km	
Pulse Width	5/10/25/50/100/250/500/1000/2500/5000/10000/20000 ns	
Avg. Time	5/15/30/60/120/180 s	
Linearity	±0.05dB	
Event Threshold	0.01dB	
Loss Resolution	0.001dB	
Report Export	Support	
OPM		
Calibration Wavelength	850/980/1270/1300/1310/1490/1550/1577/1625/1650nm	
Test Range	+30~50dBm	
Frequency ID	Support	
Manual Cal	Support	
Connector	Universal 2.5mm	
VFL		
Wavelength	650±20 nm	
Mode	CW/1Hz/2Hz Blink	
Output Power	10mW	
Connector	Universal 2.5mm	
OLS		
Wavelength	Same as OTDR	
Mode	CW/270Hz/330Hz/1kHz/2kHz	
Output Power	> -5 dBm	
Stability	±0.5dB @15 min (CW Mode, Test after 15 minutes of preheating)	
Connector	Same as OTDR	

Specifications

RJ45	
Cable Search Test (opt.)	Analog & Digital
Cable Sequence Test	UTP, STP
Joint Crimping Quality Test	Support
Test Port	RJ45 (no LED, no shield)
General Parameters	
Screen	3.97" TFT Color Screen
IR Remote	Support
LED Light	Support
Cotton Swab Bay	Support
Duration of Use	Standby >6h , Measuring >4h
Charging	<2h
Operating Temperature	-10~50 °C
Storage Temperature	10~90% (No condensation)
Size & Weight	140 x 83.5 x 34.3 mm / About 320g

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HONSERV
HSV-100

HANDHELD MICRO OTDR

- Event editing function
- SD data interface, USB data input
- User-friendly & easy to use
- AC and DC power supply
- 8 hrs battery life





VFL Function, SD Data Interface, and USB data output



3.5-inch TFT LCD touch screen



Rear View

Description

HSV 100 OTDR is a reliable instrument for measuring optical fiber features. It has various features, such as compact, portable, and easy to operate. The product apperance is ergonomically designed and the product is designed with an LCD touch screen. In addition, the product is designed with the data storage function. PC software can be used to analyze the data stored on the product for judging the optical fiber transmission quality and implement processing, archiving and printing of measuremnet results in later period.

Product Features

- 3.5- inch touh screen, easy to use
- Event editing function
- Trace storage function
- SD data interface, USB data output
- Graphical display of trace data, easy to operate
- PC analysis software is delivered together with the instrument which can be used for measurement data backup and archive management
- AC and DC power supply
- A battery life of over eigth hours after being charged each time
- Small in size, portable
- VFL function

Specifications

Type		Index
Dynamic (1)		30/28 dB
Wavelength (±20mm)		1310/1550
Optical Interface		FC/UPC
Display Screen		3.5-inch TFT LCD touch screen
Pulse Width		5,10,20,40,80,160,320,640,1280,2560,5120,10240,20480, and Auto
Distance Range (km)		0.3,1,3,5,10,30,60,and 120
Measurement Time		15s, 30s, 1 min,2 min, and 3 min
Event Dead Zone (2)		1.2 m
Attenuation Dead Zone (2)		8 m
Data Storage Capacity		SD Card (4GB) >10000 test curves
Data Interface		SD Card interface
Communication Interface		USB interface
Visible Light	Wavelength	650nm
	Output Power (dBm)	≥-3
	Test Distance (km)	3
Communication Light Detection		Available

HSV
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HONSERV
HSV-600 SERIES

OPTICAL TIME DOMAIN REFLECTOMETER

- 12-hours Battery Life
- 7-inch Touch Screen
- Fiber Path (iOLM)
- Excellent optical performance





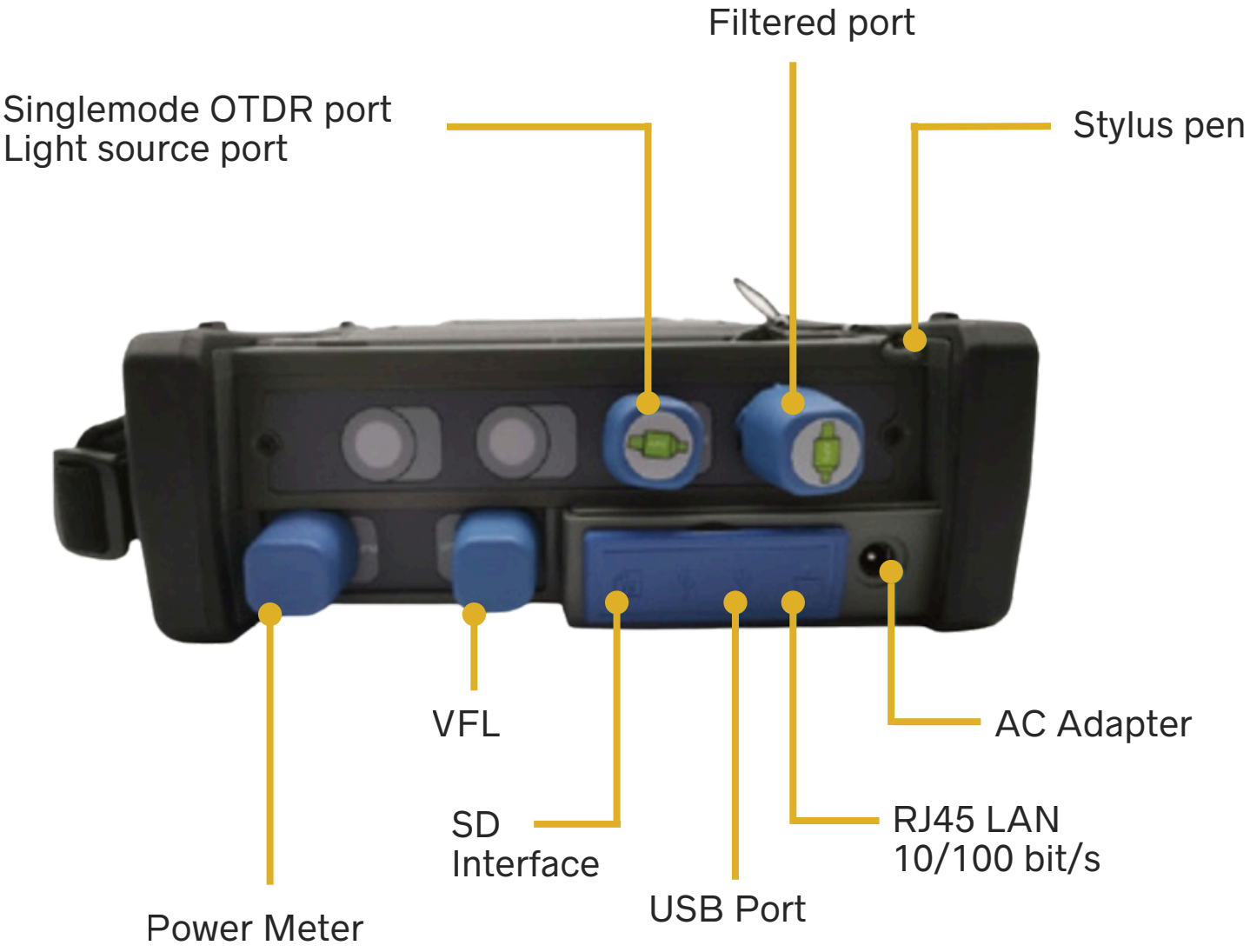
Options support VFL, power meter, light source and Fiber Inspection Probe



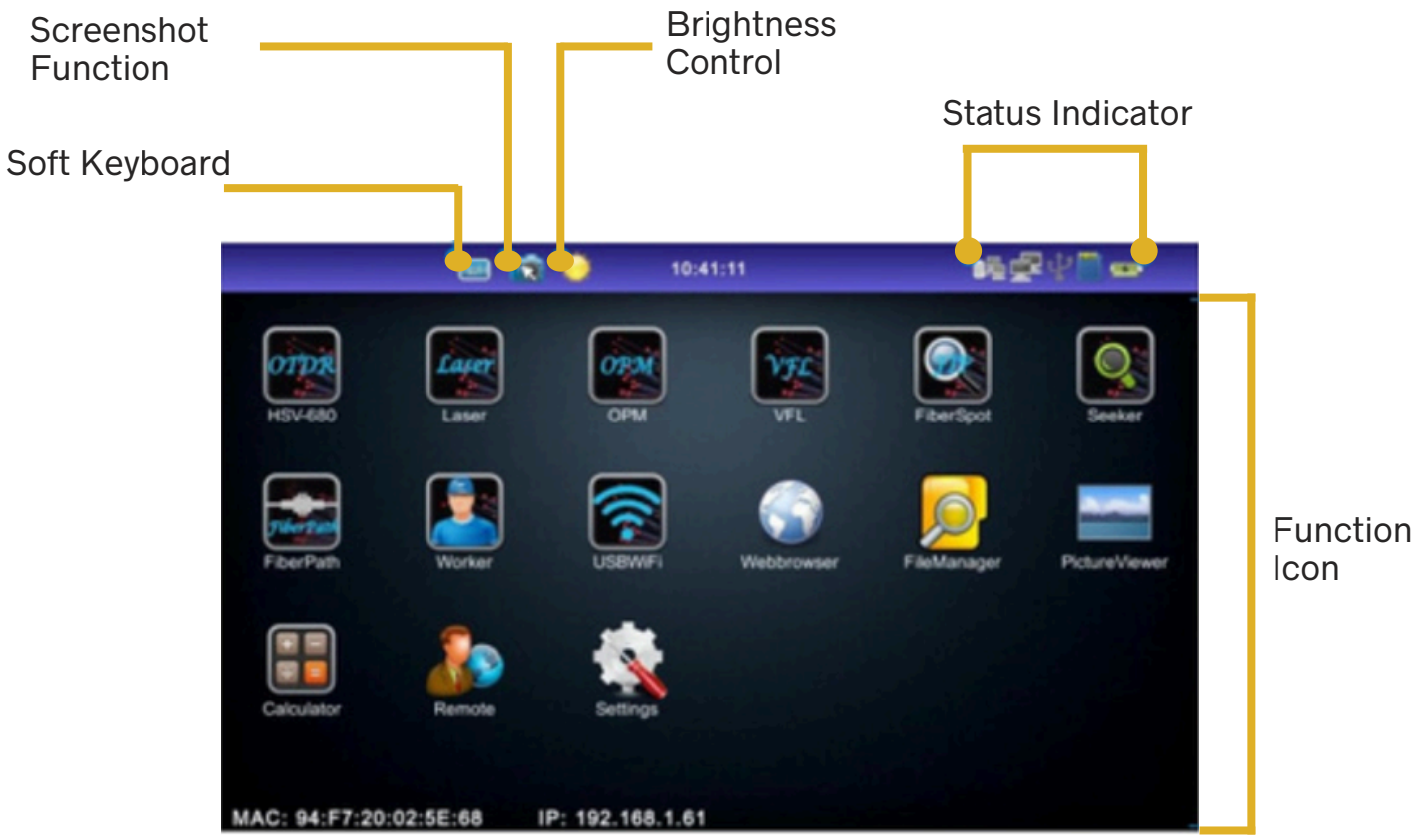
Professional and efficient user interface and user experience

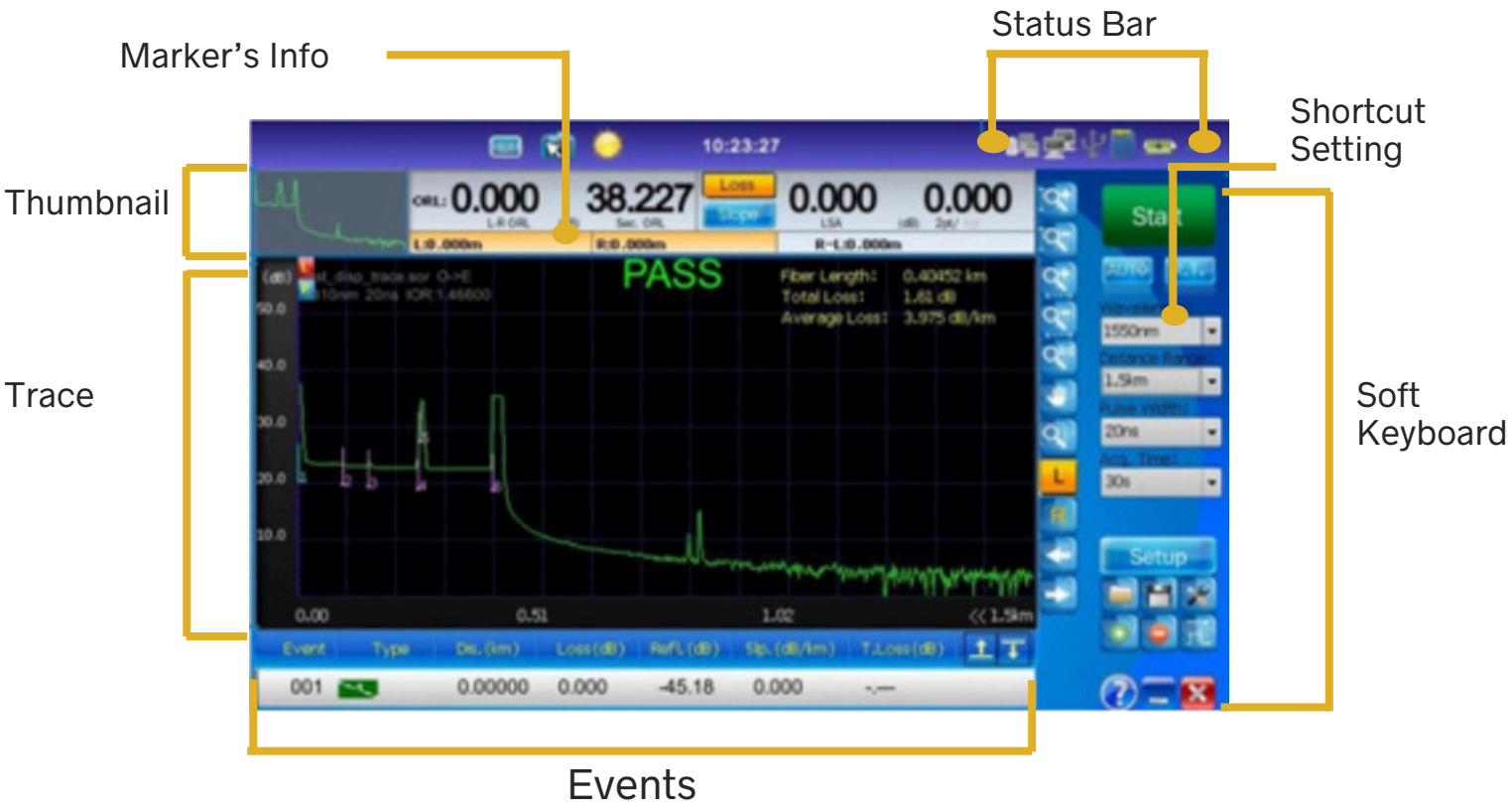


Handy, lightweight, fully functional, tablet-inspired design


Filtered port
Singlemode OTDR port
Light source port
Stylus pen
VFL
AC Adapter
SD
Interface
RJ45 LAN
10/100 bit/s
Power Meter
USB Port

Display


Screenshot Function
Brightness Control
Soft Keyboard
Status Indicator
Function Icon
10:41:11
HSV-680
Laser
OPM
VFL
FiberSpot
Seeker
FiberPath
Worker
USBWiFi
Webbrowser
FileManager
PictureViewer
Calculator
Remote
Settings
MAC: 94:F7:20:02:5E:68
IP: 192.168.1.61


Marker's Info
Status Bar
Shortcut Setting
Thumbnail
Trace
Soft Keyboard
Events
10:23:27
PASS
Start
Setup

Standard Package



HSV-610 Series OTDR w/built in lithium battery



Standard black bag with shoulder strap



AC Adapter



Extra FC connector for power meter



Shoulder Strap



Stylus

Calibration Certificate

Specifications

Applicable Fiber	SM MM FTTx/PON
Dead Zone	≤0.8m extra-short event dead zone
Dynamic Range	Up to 45/43dB High Dynamic Range
Memory storage	>80,000 OTDR traces
Fiber Path	With built-in power meter&VFL;fiber path (iOLM) functions
Screen	800×480 TFT,7.0 inch outdoor-enhanced touch screen
Battery Pack	Built-in lithium battery with high capacity for 12 hours run time

Technical Parameters

Model	HSV-610	HSV-620	HSV-630	HSV-630A	HSV-630B	HSV-630C	HSV-640	HSV-670	HSV-680	HSV-630M1	HSV-630M2
Wavelength (nm)	1310/1550	1310/1550	1310/1550	1310/1550/1625	13/1550/1650	1310/1490/1550	1310/1550	1310/1550	1310/1550	850/1300/1310/1550	850/1300/1310/1550
Wavelength accuracy(nm)	±20nm										
Dynamic range(dB)	32/30	35/33	37/35	37/35/35			40/38	43/41	45/43	22/26/37/35	
Event Deadzone (m)	1.5m	1	0.8	0.8			0.8	0.8	0.8	SM 0.8 MM≤0.8	
Attenuation Deadzone (m)	6	5	4	4	4	4	4	4	4	SM≤3 MM≤5	
Pulse with (ns)	3ns 5ns 10 ns 20 ns 50 ns 100 ns 200 ns 500 ns 1us 2μs 5us 10μs 20μs										
Distance Range	100m 400m 1.5km 3km 6km 12km 25km 50km 100km 200km 400km										
Sampling Resolution	10cm ~12.8m		5cm ~12.0m								
Sampling points	128000		256000								
Distance Accuracy (m)	±(0.75m+0.005% x Fiber length+sampling resolution)		±(0.75m+0.001% x Fiber length+sampling resolution)								

Technical Parameters

Group of Refractive Index Range	1.30000 ~ 1.70000
Linearty (dB/dB)	0.03
Loss threshold(dB)	0.001
Loss Resolution	0.001
Measuring Time Range	5s~3min, real-time
Real Refresh Rate	4/s
Optical Power Meter	Calibrated Wavelength: 1310nm/ 1550nm
	Wavelength: 850nm/ 980nm/1300nm/1490nm/1550nm/1610nm
	Dynamic Range: -70dBm~ +10dBm, ±0.17dB accuracy
VFL	650 nm±10 nm, 10mW Compliance: laser safety class II
FIP	250X amplifier, USB2.0 port
Optical Source	1310 nm/1550nm, -11dBm
Display Screen	7in (178mm) , 800x480 dot matrix TFT touch screen
Interface	USB2.0x2, power supply DC5V±0.05V@500mA
	RJ45x1, LAN, 10M/100M; Macro SDx1, TFx1 (Max,64GB)
Storage	8GB memory (80000 OTDR trace)
	8GB SD card (80000 OTDR trace) (option)

Technical Parameters

Battery	7.4V 5300mAh Lithium battery pack, 39.22Wh 12 hours continuous working time
Overall Power Consumption	<3W
Power Supply	AC/DC adapter: input:100-240V 50-60Hz DC output12V 1.5A; W: 18W max
Circumstance	Operating temperature: -10°C~+50°C; storge temperature: -40°C~+70°C; humidity: 0%-95% NA
Dimension (L*W*H)	196*172*72mm
Weight (including battery)	<1.5kg
Language	Chinese English Spanish French,Russian, German, Korean Italian Arabic

DEVISER
AE3100A~M SERIES

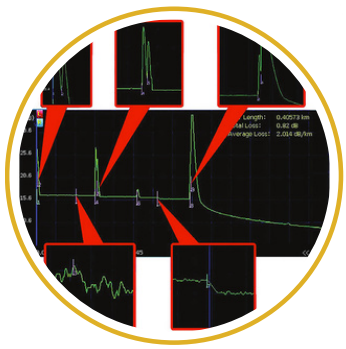
2- AND 4-WAVELENGTH OTDR

- High performance OTDR for FTTx and RFoG networks
- "FiberPath" fiber link mapping mode
- Intelligent event analysis
- Minimum 5cm resolution
- Complete user data ports: supports LAN, USB, SD, & more

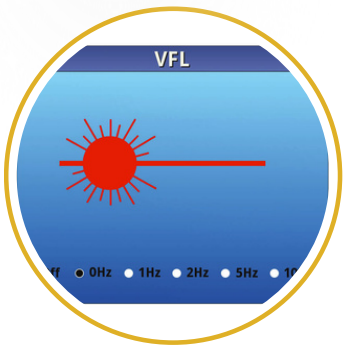




7″ touch screen provides a more convenient user interface and professional user experience.



Excellent short-distance performance with 0.8m event dead zone and 4m attenuation dead zone



Multiple options for your measurement needs, including: VFL, OPM, OLS, and optical fiber microscope

Specifications

AE3100 MODEL		A	B	C	D	E	F	M	CM	DM	EM
Wavelength accuracy		±20nm									
Event dead zone	SM	≤ 1.5m	≤ 1.0m	≤ 0.8m					≤ 0.8m		
	MM							≤ 0.8m			
Attenuation dead zone	SM	≤ 5.0m		≤ 4.0m	≤ 3.0m				≤ 4.0m	≤ 3.0m	
	MM							≤ 5.0m			
Measurement Range	SM	100m, 400m, 1.5km, 3km, 6km, 12km, 25km, 50km, 100km, 200km, 400km									
	MM							100m, 400m, 1.5km, 3km, 6km, 12km, 25km, 50km			
Pulse Width	SM	3ns, 5ns, 10ns, 50ns, 100ns, 200ns, 500ns, 1μs, 2μs, 5μs, 10μs, 20μs									
	MM							5ns, 10ns, 30ns, 50ns, 100ns, 200ns, 500ns, 1μs			
Sampling Resolution		10cm~12.8m		5cm~12.8m				5cm~6.4m			
Sampling Points		Up to 256,000									
Distance Accuracy (m)		±(0.75m + 0.005% x Distance + Sampling Res.)		±(0.75m+ 0.001% x Distance + Sampling Resolution)				±(0.75m + 0.005% x Distance + Sampling Res.)			
Group Refractive Index		1.30000 ~ 1.70000									
Linearity		0.05dB/dB		0.03dB/dB				0.05dB/dB			
Loss Threshold		0.001dB									
Loss Resolution		0.001dB									
Refresh Rate		4 fields/second									
Reflectance Accuracy		±20dB									
Measurement Time Range		5s~5min, real time									
Data Storage		Holds >80,000 OTDR traces, exportable to USB/ SD Card/ Computer									

Specifications

Functions & Accessories			
Test Modes	Manual Auto	File Format	Compatible with Bellcore GR 196 v1.1 (*.5OR)
Limit Settings	Manual Auto	Loss Test Type	LSA, 2pt, 4pt
Limit Profiles	8 Customizable Profiles	UI Style	4 Styles Available
Distance Shift	Yes: Display negative events	FiberPath Linear View	✔
Real-time testing	✔	Touchscreen Keyboard	✔
Self-Correcting	✔	Web Browser	✔
Online Help	✔	Auto Shutdown/Sleep	✔
Factory Reset	✔	Macrobending Test	✔
Multi-lingual File Naming	✔	Dual Quad-λ Testing	✔
Screenshots	✔	Multi-trace Comparison	✔

AE3100 MODEL		A/B	C/D/E/F
Functions & Accessories (cont'd)			
Optical Power Meter	Calibration A	1310/1550nm	
	Operating A	850/980/1300/1490/1550/1610nm	
	Range	Select from [-70-+10dBm] or [-50-+26dBm]	
	Resolution	± 0.17dBm	
Laser	Wavelength	1310/1550nm	
	Output power	>-11dBm	>-4dBm
	Modes	CW/1kHZ/2kHZ/1kHZ+Flash/2kHZ+Flash	
VFL	Wavelength	650±10nm	
	Power	10mW	
	Compliance	Laser Safety Class II	
USB Fiber Spot Mode		Available by option only	
FiberPath		Available by option only	
Fiber Cleaning Pen		Up to 200 uses	
Remote Testing		Requires SYNCOR software configuration	
Cloud Asset Management		Requires SYNCOR software configuration	
Optical Port Type		PC (default); APC (Optional	
Optical Adapter Type		PC (default); SC,ST,LC,SC/APC (optional)	

DEVISER
AE1001

PORTABLE OTDR

- Ultra-portable, lightweight OTDR for FTTx networks
- 4.3” LCD touchscreen is visible in high- or low-light conditions
- Fast dual-wavelength test generates results in ≤5 seconds
- Save >160k OTDR traces with 16 GB of data storage
- Power-packed ~2-lb meter runs continuously for over 4 hours





Low Power Consumption and a Solid 2500 mAh Battery



Dimensions: 7.1" L x 5.7"W x 2.2"H (180mmx145mmx55mm)



Sleek and zero fuss OTDR that weighs less than 1kg

Specifications

Optical Parameters

Test Wavelength	1310nm ± 20nm	1550nm ± 20nm
Dynamic range*	26 dB	24 dB
Event deadzone**	≤ 3m	
Attenuation deadzone**	≤ 10m	
Measurement range	150m, 300m, 500m, 1km, 2km, 5km, 10km, 20km,40km, 80km	
Pulse width	3ns, 5ns, 10 ns, 30 ns, 50 ns, 100 ns, 200 ns, 500 ns, 1µs, 2µs, 5µs, 10µs, 20µs	
Sampling resolution	Auto / high-resolution modes	
Sampling points	Up to 12,800	
Group refractive index***	1.000000 ~ 2.000000	
Distance uncertainty	± (0.75 + 0.005% × fiber length + sample resolution)	
Linearity	0.05 dB/dB	
Loss threshold	0.001 dB	
Loss resolution	0.001 dB	
Refresh rate	10 fields/s	
Reflectance accuracy	±3 dB	
Measurement time range	5s ~ 5min, real time	
Data storage	16 GB, up to 160,000 OTDR traces	

Other Test Modes

Optical Power Meter	Operating λ	1310, 1550nm
	Operating λ	850, 980, 1300, 1310, 1490, 1550, 1610, 1625, 1650nm
	Power range	Select from [-70 ~ +10 dBm] or [-50 ~ +26 dBm]
	Power accuracy	±0.23 dB
Visual Fault Locator (VFL)	Wavelength	650 ± 10nm
	Power	1mW
	Compliance	Laser Safety Class II
Optical port type		PC (default); APC (optional)
Optical adapter type		FC (default); SC, ST, LC, SC/APC (optional)

General Specifications

Optical port type		4.3" dot matrix TFT LCD touchscreen
Optical port type		1x USB 2.0; 1x RJ45 LAN (10M/100M/1000M, optional)
Power	Supply	100 ~ 240V, 1.5A, 50~60Hz (AC); max 12V / 2Ah (DC); total max power 24 W
	Consumption	< 3 W
Battery		7.4V / 2500 mAh Li-ion battery, 18.5 Wh
Operating Time		~ 6 hrs on full charge (4 hrs continuous testing)
Operating Temperature		-10°C ~ +50°C
Storage Temperature		-40°C ~ +70°C
Relative Humidity		0 ~ 95%, non-condensing
Dimensions (LxWxH)		7.1" x 5.7" x 2.2" (180mm x 145mm x 55mm)
Weight		< 2.2 lbs (< 1 kg)

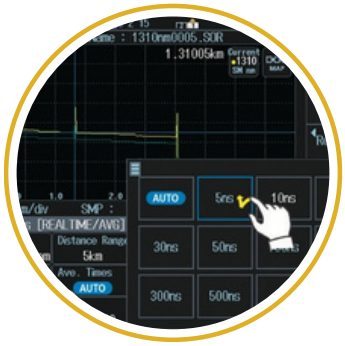
YOKOGAWA

YOKOGAWA
AQ1210A

MULTI-FIELD TESTER OTDR

- Wavelength: 1310/1550 nm
- Smart, compact, full-featured OTDR
- Distance range: 0.1 to 256
- Multi-tasking operation
- Lightning startup time
- Pulse width(ns): 5 to 20000
- Dynamic range: 37/35 dB
- Dual operation mode by multi-touch touchscreen & hard-key buttons
- Robust design for operating in harsh environments

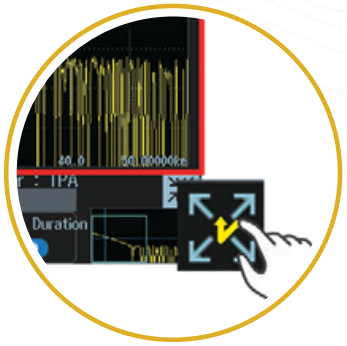




Measurement condition setup window

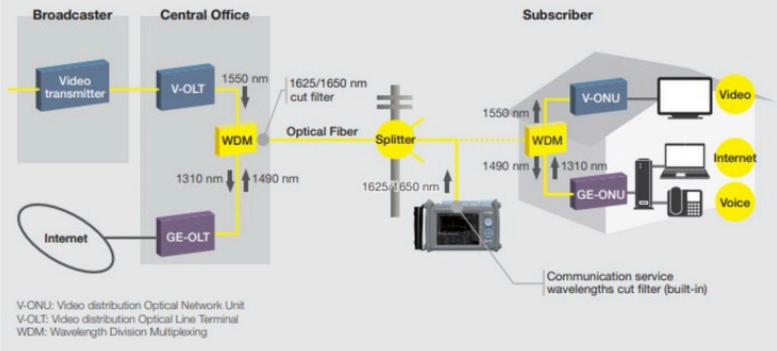


Touchscreen and rotary dial



Enlarging the trace window

REAL TIME MEASUREMENT



Real-time measurement is a feature that repeats measurement while updating and displaying the measured value. This is useful for detecting/identifying the position of a fiber end point, break, or bend of an installed optical fiber network. Viewing the changes in the trace as an operator change the measurement conditions, such as the wavelength, distance range, and pulse width.

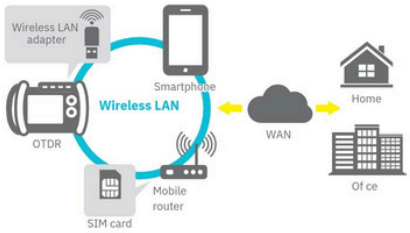
WIRED LAN

Connection to an external device or networks via wired LAN adapter*1
For example, an engineer can add an OTDR to the company's local network. This is useful for regularly checking the measurement status on an OTDR performing continuous measurement at a distant place. If an engineer is in an environment that allows connection to the company's internal network from the outside, an engineer can check the OTDR measurement status regardless of an engineer's location.



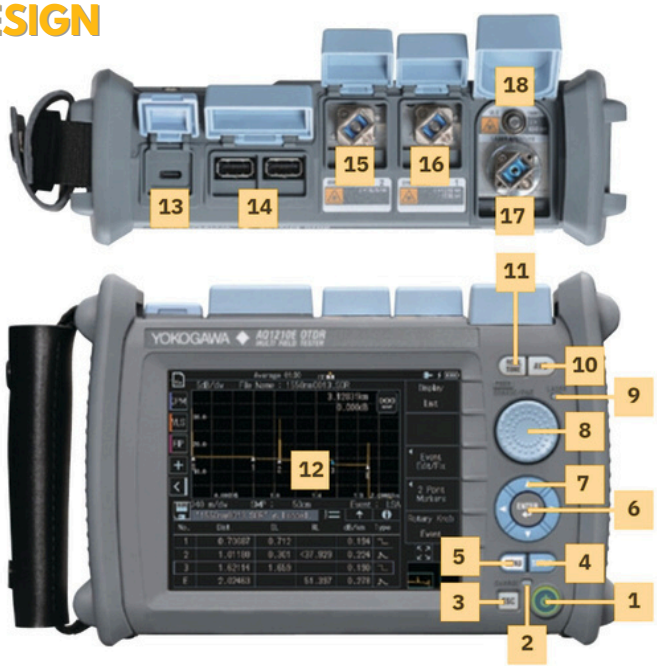
WIRELESS LAN





Connection to an external device via wireless LAN adapter*2
This provides you high portability.
The AQ1210 can be controlled and internal data can be retrieved by an external device without cable connection.

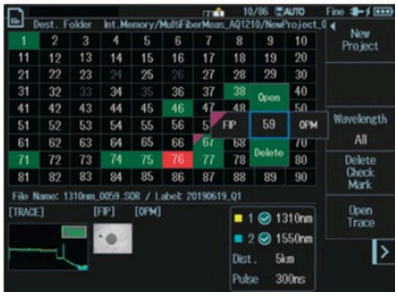
DESIGN

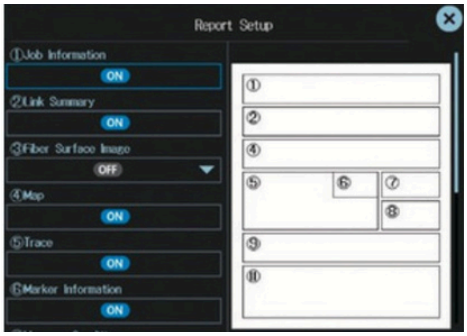


1	Power switch	10	AVG Key
2	CHARGE LED	11	REAL TIME Key
3	ESC Key	12	LCD
4	SETUP Key	13	USB port Type-C
5	MENU Key	14	USB port Type-A
6	ENTER Key	15	OTDR port (Port 2)
7	Allow Key	16	OTDR port (Port 1)
8	Rotary dial	17	OPM port (option)
9	LASER LED	18	VLS port (option)

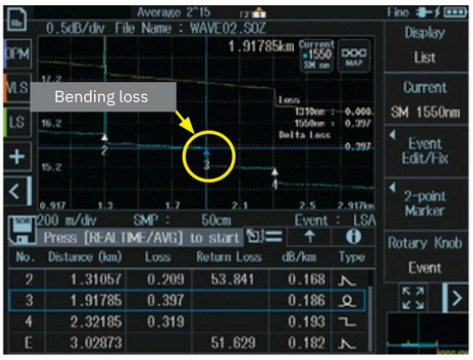
FUNCTIONS AND FEATURES FOR IMPROVED WORK EFFICIENCY

Multi-fiber measurement
Measurement conditions of up to 2000 cores are managed in a table, allowing efficient measurement of multi-fibers.
For each core number, OTDR measurement, loss measurement and fiber core surface image can be saved. Cores that have been measured are highlighted in color and saved data can be shown in the preview window by selecting the core number in the table. This prevents unintended omission in core measurements and reduces your working time at a site.



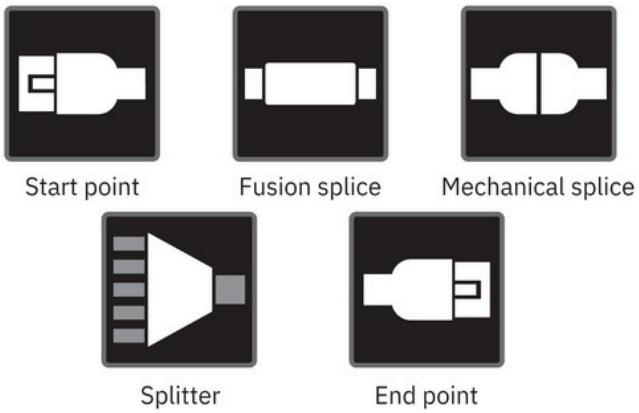


PDF reporting
Built-in post-processing software for generating OTDR reports in PDF format.
Flexible configuration of report template to meet users' report requirements. The report format is set while checking the layout preview and collectively create a plurality of reports. The PDF report viewing feature allows to users immediately check the reports.

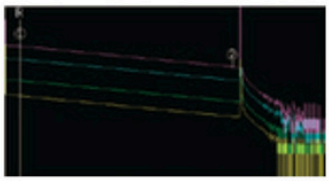


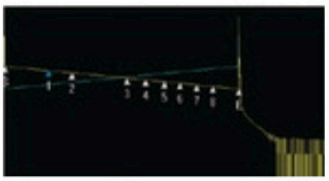
Macro bending detector
Macro bending events along a fiber under test can be identified and located automatically by OTDR measurements using multiple wavelengths trace comparison and event analysis based on user-defined thresholds.

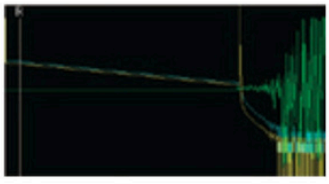
Event icon
The appropriate icon will be displayed from 5 different event icons.
PASS/FAIL judgment results can be easily recognized by the "" and "×" marks and colors.

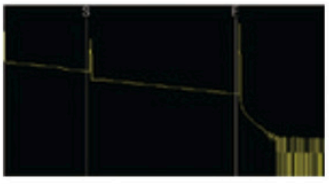


Advanced trace analysis


Multi-trace analysis


2-way trace analysis


Differential trace analysis


Section analysis

Specifications

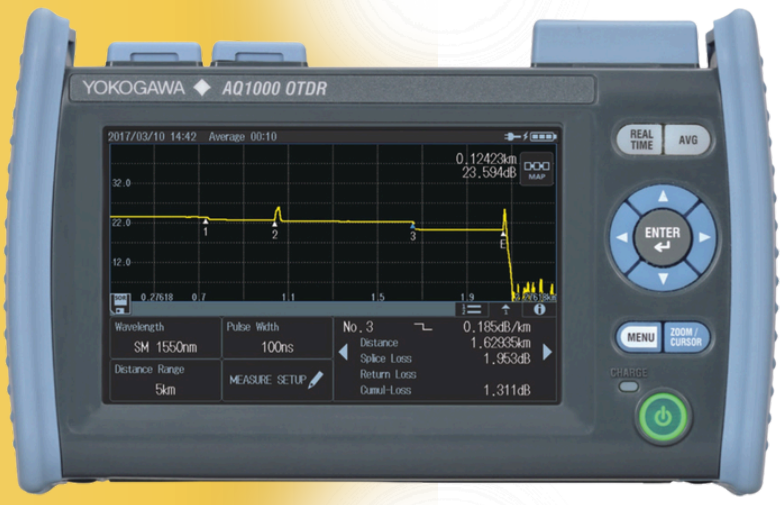
Items		Specifications						
Model		AQ1210A	AQ1215A	AQ1210E	AQ1215E	AQ1215F	AQ1216F	AQ1210D
Wavelength (nm)*8		1310 ±20/1550 ±20		1310 ±20/ 1550 ±20, 1625 ±10	1310 ±20/ 1550 ±20, 1625 ±20	1310 ±20/ 1550 ±20, 1650 ±5 *6	1310 ±20/ 1550 ±20, 1650 ±20	1310 ±20/1550 ±20, 850 ±15/1300 ±30
Number of optical ports		1		2 (Port 2: 1625 nm, including a filter)		2 (Port 2: 1650 nm, including a filter)		2 (Port 2: 850/1300 nm)
Applicable fiber		SM (ITU-T G.652)						SM (ITU-T G.652), GI (50/125 µm, 62.5/125 µm)
Distance range (km)		0.1 to 256	0.1 to 512	0.1 to 256	0.1 to 512			0.1 to 256, 0.1 to 100
Pulse width (ns)		5 to 20000	3 to 20000	5 to 20000	3 to 20000			5 to 20000, 3 to 1000/3 to 5000
Event dead zone (m) *1,*8		0.75	0.5	0.75	0.5			0.75, 0.5
Attenuation dead zone (m) *2,*8		4	2.5	4	2.5			4, 2.5
PON dead zone (m) *3,*8		35	30	35	30			35, —
Dynamic range (dB) *4,*8		37/35	42/40	37/35, 35	42/40, 39	42/40, 37	42/40, 40	37/35, 25/27
Loss measurement accuracy *5		±0.05 dB/dB	±0.03 dB/dB	±0.05 dB/dB	±0.03 dB/dB			±0.05 dB/dB
Optical return loss measurement accuracy		±2 dB						
Maximum optical pulse output power		—	—	—	—	≤+15 dBm (1650 nm)	—	—
Number of sampling points		max. 256000						
Sampling resolution		min. 5 cm	min. 2 cm	min. 5 cm	min. 2 cm			min. 5, 2 cm
Minimum readout resolution		Horizontal axis: 1 cm, vertical axis: 0.001 dB						
Distance unit		m, km, mile, kft						
Distance measurement accuracy		± (0.75 m + measured distance × 2 × 10^{-5} + sampling resolution)						
Group refractive index		1.30000 to 1.79999 (0.00001 intervals)						
Optical connector		SC/FC/LC/SC Angled-PC (1310/1550/1625/1650 nm), SC/FC/LC (850/1300 nm)						
OTDR function	Measurement items	Distance, loss, return loss, return loss between two arbitrary points, dB/km						
	Analysis	Multi-trace, 2-way trace, differential trace, section analysis, auto event search, pass/fail judgment, fiber surface test (option)						
	Other functions	Multi-fiber project, rerouted fiber comparison, work completion notice, smart mapper, remote control, web server, report generation, plug check, fiber-in-use alarm						
Light source function	Output power	−3 dBm ± 1 dB (1310/1550/1625/1650 nm), ≥−20 dBm (850/1300 nm)						
	Output power stability *7	±0.05 dB (1310/1550 nm), ±0.15 dB (1625/1650/850/1300 nm)						
	Modulation mode	CW, 270 Hz, 1 kHz, 2 kHz (1310/1550/1625/1650 nm), CW, 270 Hz (850/1300 nm)						
	Optical output port	OTDR port						
Laser class		Class 1M (EN 60825-1: 2007, GB 7247.1-2012), Class 1 (EN 60825-1: 2014) (1300/1310/1550/1625/1650 nm), Class 3R (IEC 60825-1:2007, GB 7247.1-2012, EN 60825-1:2014) (850 nm)						
Display *9		5.7-inch color TFT LCD (resolution: 640 × 480, multi-touch capacitive touchscreen)						
Interfaces		USB 2.0 Type-A × 2: USB mass storage device, fiber inspection probe, wired LAN adapter, wireless LAN adapter USB 2.0 Type-C × 1: DC power supply, storage, remote control						
Data storage	Storage	Internal: ≥1000 traces, external: USB storage						
	File format	Write: SOR, CSV, SET, SMP, BMP, JPG, PDF Read: SOR, SET, SMP						
Power requirements*10		USB power supply (Type-C), DC 5 V ±5%, max. 3 A						
Battery*8		Type: Lithium ion polymer Operation time: 10 hours or more (Telcordia GR-196-CORE Issue 2, September 2010), Recharge time: 5 hours (power-off state)						
Environmental conditions		Operating temperature: −10 to 50°C (10 to 35°C when charging the battery), operating humidity: ≤95%RH (non-condensing), storage temperature: −20 to 60°C, storage humidity: ≤95%RH (non-condensing), altitude: 4000 m, dust and drip protection: IP51 equivalent*12						
EMC*11	Emission	EN 61326-1 Class A, EN 55011 Class A Group1						
	Immunity	EN 61326-1 Table2						
Laser safety standard*11		EN 60825-1: 2014, IEC 60825-1: 2007, GB 7247.1-2012, FDA 21CFR1040.10 and 1040.11						
Dimensions		Approx. 210 mm (W) × 148 mm (H) × 69 mm (D) (excluding projections)						
Weight		Approx. 1 kg (including battery)						

YOKOGAWA

YOKOGAWA
AQ1000

OPTICAL TIME DOMAIN REFLECTOMETER

- Wavelength:1310/1550nm
- Pulse width: 3, 10, 20, 30, 50, 100, 200, 300, 500, 1000, 2000, 5000, 10000, 20000
- Dynamic Range: 32/30dB
- Long Battery operation time: 10 hours
- Applicable Fiber: SM
- Intuitive and responsive





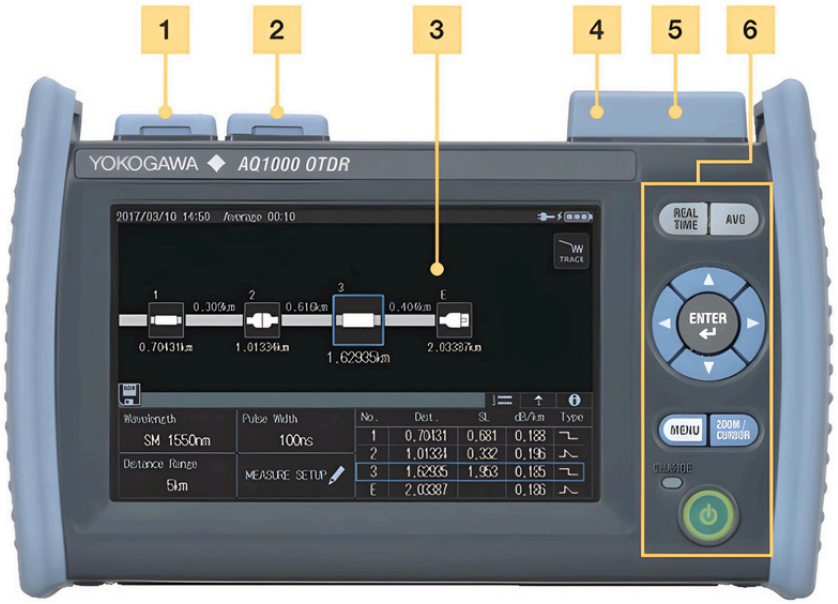




Product Details

INTERFACES

1. USB port (type micro B)
2. USB port (type A)
3. 5.0-inch color LCD with capacitive touch-screen
4. VLS port (option)
5. OTDR port
6. Keys



OTDR Specifications

Wavelength(nm)	1310 +20/1550 ±20
Applicable fiber	SM (ITU-T G.652)
Distance range (km)	0.2, 0.5, 1, 2, 5, 10, 20, 30, 50, 100, 200, 256
Pulse width (ns)	3, 10, 20, 30, 50, 100, 200, 300, 500, 1000, 2000, 5000, 10000, 20000
Sampling resolution	min. 5 cm
Number of sample points	max. 256000
Distance measurement accuracy (m)	±(1 m + Measurement distance x 2 x 10-5 ±1 sampling resolution)
Event dead zone (m)"2	≤0.8
Attenuation dead zone (m)1,"3	4/5
Dynamic range (dB)'1, "4	32/30
Loss measurement accuracy	+0.03 dB/dB
Reflection accuracy	±2 dB
Laser class'5	Class 1M or 1

General Specifications

Items		Specifications
Display	5.0 inch color TFT LCD WVGA (Capacitive touchscreen) Resolution: 800 x 480 pixel	
External Interfaces	USB2.0 x 2 (Type A x 1: Host, Type micro B x 1: USB mass storage devices, DC power supply)	
	Wireless LAN (WLN option): IEEE802.11b/g/n	
Dimensions	185 mm (W) x 116 mm (H) x 56 mm (D) (excluding projections)	
Weight	Approx. 660 g	
Environmental Conditions	Temperature	Operating: -10°C to 50°C, (10 to 35°C during charging, excluding a USB power adapter) (0 to 50°C when WLAN using) Storage: -20°C to 60°C
	Humidity	5 to 90%RH (No condensation)
	Altitude	4000 m or less
Power Requirements	DC 5 V±10%, max. 1.5 A	
Battery	Type	Lithium ion polymer
	Operating Time	10 hours or more (Telcordia GR-196-CORE Issue 2, September 2010)
	Recharge Time	5 hours (typical)
		Class 1M or 1
Laser safety		EN 60825-1: 2014, IEC 60825-1: 2007, GB 7247.1-2012, FDA 21CFR1040.10 and 1040.11
EMC	Emission	EN 61326-1 Class A, EN 55011 Class A Group1
	Immunity	EN 61326-1 Table2
Wireless	Wireless LAN (option)	EN 300 328, EN 301 489-1 and 17

COMWAY TECHNOLOGY

COMWAY
MAX-600 SERIES

OPTICAL TIME DOMAIN REFLECTOMETER

- Available wavelengths: 1310nm,1550nm,1625nm,850nm,1300nm
- Event dead zone: 0.8(m)
- Attenuation zone: 5(m)
- Testing Range up to 280km
- Map link (iOLA) & RJ45 Testing
- FTTx PON Long Haul
- 7-inch touch screen
- 12hrs battery life









Specifications

	MAX-600-M1	MAX-600-M2	MAX-600-M3	MAX-600-M4
Wavelength (nm)	1310/1550	1310/1550	1310/1550/1625	850/1300/1310/1550
Wavelength Accuracy(nm)	±20			
Dynamic Range(dB)	32/30	40/38	39/38/38	26/26/36/34
Event Dead zone (m)	0.8	0.8	0.8	SM: ≤0.8m, MM:≤0.8m
Attenuation Dead Zone (m)	5	4	4	SM: ≤3m, MM:≤5m
Pulse width(ns)	5ns, 10ns, 25ns, 50ns, 100ns, 250ns, 500ns, 1us,2.5us, 5us, 10us, 20us			
Distance Range	100m, 500m, 1km, 2.5km, 10km, 20km, 40km, 60km, 80km, 100km, 150km, 280km			
Distance uncertainty (m)	±(0.8 +0.0055distance+sampling resolution)			
Linearity (dB/dB)	±0.03			
Loss threshold (dB)	0.01			
Loss Resolution (dB)	0.001			
Measurement time	5s-5mins, real-time			
Typical real-time refresh(Hz)	4			
Power Meter	-50~+26dBm, 850/1300/1310/1490/1550/1625nm, FC or SC adapter			
VFL	650nm±10nm, 10mW			
Display	7-inch(178mm) outdoor-enhanced touchscreen, 800x480TFT			
Interfaces	One USB 2.0 port RJ-45x1, LAN 10/100 Mbit/s Micro SDx1			
Storage	>10000 results (SOR or PDF)			
Battery Life	7.4V, 4600mAh lithium battery pack			
Power Consumption	<3W			
Power Supply	Power Supply AC/DC adapter, AC input 100-240V, 50-60Hz DC out 12V, 1.5A			
Applicable Environment	Opearting Temperature range:10°C~+50°C, Relative humidity:-40°C~+70°C			
Dimension(WxHxD)	215*152*64mm			
Weight (including battery)	1.0kg			

Product Structure



1	RJ45 LAN port	4	USB port	7	VFL
2	TF card interface	5	Filtered OTDR port	8	Power meter
3	Type C power port	6	Multimode OTDR Port	9	Singlemode OTDR port

EXFO
MAX-715D SERIES

LAST-MILE HANDHELD OTDR

- 1310/1550/1650nm
- Dynamic Range: 32/30/30 dB
- Dead zones: event dead zone (EDZ) 0.9 m, attenuation dead zone (ADZ) 3.6 m
- FTTx last-mile installation and troubleshooting
- 0.1 to 200km distance range









Specifications

Display	7-in (178-mm) outdoor-enhanced touchscreen, 800 × 480 TFT
Interfaces	Two USB 2.0 ports RJ45 LAN 10/100 Mbit/s
Storage	2 GB internal memory (20 000 OTDR traces, typical)
Batteries	Rechargeable lithium-polymer battery 12 hours of operation as per Telcordia (Bellcore) TR-NWT-001138
Power supply	Power supply AC/DC adapter, input 100-240 VAC, 50-60 Hz, 9-16 V DCIN 15 Watts minimum
Wavelength (nm) b	1310 ± 30/1550 ± 30/1650 ± 15
Live wavelength (nm)	1650 Isolation: 50 dB from 1265 nm to 1617 nm
Dynamic range (dB) c	32/30/30
Event dead zone (m) d	0.9
Attenuation dead zone (m)	3.6
Distance range (km)	0.1 to 200
Pulse width (ns)	3 to 20 000
Linearity (dB/dB)	±0.05
Loss threshold (dB)	0.01
Loss resolution (dB)	0.001
Sampling resolution (m)	0.04 to 5
Sampling points	Up to 256 000

Specifications

Distance uncertainty (m) e	±(0.75 + 0.005 % × distance + sampling resolution)
Measurement time	User-defined
Reflectance accuracy (dB) b	±2
Typical real-time refresh (Hz)	3

In-Line Power Checker b,l,m

Power range (dBm)	–60 to 23
Power uncertainty (dB) g, h	±0.5
Calibrated wavelengths (nm)	1310, 1490, 1550, 1625, 1650
Selectable wavelengths (nm)	1270, 1290, 1310, 1330, 1350, 1370, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1577, 1590, 1610, 1625, 1650
Tone detection	CW, 270 Hz, 330 Hz, 1 kHz, 2 kHz

Technical Specifications (in-line PON power meter with OPM2 in option)

Power range (dBm)	–60 to 23
PON power meter (nm)	Two channels: 1490/1550 and 1490/1577
Power uncertainty (dB) h, i	±0.5
Calibrated wavelengths (nm)	1310, 1490, 1550, 1625, 1650
Selectable wavelengths (nm)	1310, 1490, 1550, 1577, 1625, 1650, 1490/1550, 1490/1577

a. All specifications valid at 23 °C ± 2 °C with an FC/APC connector, unless otherwise specified.
b. Typical.
c. Typical dynamic range with longest pulse and three-minute averaging at SNR = 1. d. Typical, for reflectance from –55 dB, using a 3-ns pulse.
e. Does not include uncertainty due to fiber index.
f. Not available when OPM2 is selected.
g. At calibrated wavelengths.
h. Requires a good entry connector's health.
i. Specifications valid when OTDR not in operation or in idle mode

In-line Source

Output power (dBm) a	–8
Modulation	CW, 270 Hz, 330 Hz, 1 kHz, 2 kHz

General Specifications

Size (H × W × D)	166 mm × 200 mm × 68 mm (6 9/16 in × 7 7/8 in × 2 3/4 in)
Weight (with battery)	1.5 kg (3.3 lb)
Temperature Operating Storage	–10 °C to 50 °C (14 °F to 122 °F) –40 °C to 70 °C (–40 °F to 158 °F) b
Relative humidity	0 % to 95 % non-condensing

Product Structure



1. Singlemode OTDR port
2. Swap out connector screw
3. Testing LED indicator
4. Stylus
5. Power meter
6. Visual fault locator
7. 10/100 Mbit/s Ethernet port
8. Two USB 2.0 ports
9. AC adapter
10. Home/switch application and screen capture (hold)
11. Power on/off/stand by
12. Battery LED status
13. Built-in WiFi/Bluetooth
14. Stand support

Ordering Information

MAX-715D-XX-XX-XX-XX-XX-XX-XX-XX-XX-XX-XX-XX-XX

Optical configuration
SM1 = Last-mile OTDR, 1310/1550 nm
SM8 = Last-mile OTDR 1310/1550 nm and 1650 nm live single port

Base software
OTDR = Enables OTDR application only
iOLM = Enables iOLM application only
Oi = Enables OTDR and iOLM applications

Connector
EA-EUI-28 = APC/DIN 47256
EA-EUI-89 = APC/FC narrow key
EA-EUI-91 = APC/SC
EA-EUI-95 = APC/E-2000
EA-EUI-98 = APC/LC
EI connectors = See section below

OPM option
00 = Without OPM2 option
OPM2 = In-line PON power meter mode (dual band) [a]

iOLM software pack [a]
00 = iOLM Standard
iADV = iOLM Advanced

Software option
00 = Without additional software option
iLOOP = iOLM loopback mode [a]
PSWRD = Security management option

Power meter
00 = Without power meter
VFL = Visual fault locator (650 nm)
PM2X = Power meter; GeX detector
VPM2X = VFL and power meter; GeX detector

Power meter connector adapter [b]
FOA-22 = FC/PC, FC/SPC, FC/UPC, FC/APC
FOA-32 = ST: ST/PC, ST/SPC, ST/UPC
FOA-54B = SC: SC/PC, SC/SPC, SC/UPC, SC/APC
FOA-96B = E-2000/APC
FOA-98 = LC
FOA-99 = MU

Wi-Fi and Bluetooth
00 = Without RF components
RF = With RF capability (Wi-Fi and Bluetooth) [c, d]

Extra FIP-400B tips [e]
Bulkhead tips
FIPT-400-LC-SQ = LC tip for bulkhead adapters
FIPT-400-LC-APC = LC/APC tip for bulkhead adapter
FIPT-400-SC-APC = SC APC tip for bulkhead adapter [f]

Patchcord tips
FIPT-400-U12M = Universal patchcord tip for 1.25 mm ferrules [g]
FIPT-400-U12MA = Universal patchcord tip for 1.25 mm ferrules APC [f]
FIPT-400-U25M = Universal patchcord tip for 2.5 mm ferrules [g]
FIPT-400-U25MA = Universal patchcord tip for 2.5 mm ferrules APC [f]

Base tips
APC = Includes FIPT-400-U25MA and FIPT-400-SC-APC
UPC = Includes FIPT-400-U25M and FIPT-400-FC-SC

Inspection scope model [h]
00 = Without inspection scope
FP430B = Automated analysis digital video inspection scope
Automated focus
Automated pass/fail analysis
Triple magnification
Autocentering
FP435B = Wireless analysis digital video inspection scope [d]
Automated focus
Automated pass/fail analysis
Triple magnification
Autocentering

Example: MAX-715D-SM8-Oi-EA-EUI-98-iADV-FP430B-APC

EXFO

EXFO
MAX-720D SERIES

OPTICAL TIME DOMAIN REFLECTOMETER

- Available Wavelengths: 850/1300/1310/1550/1650nm
- 7-inch outdoor-enhanced touchscreen
- Event dead zone (EDZ) / Attenuation dead zone (ADZ): 0.7/2.5 m in SM; 0.5/2 m in MM, PON dead zone 35 m in SM
- FTTx/PON testing through splitters (up to 1×32)









Specifications

Display	7-in (178-mm) outdoor-enhanced touchscreen, 800 x 480 TFT	
Interfaces	Two USB 2.0 ports RJ45 LAN 10/100 Mbit/s	
Storage	2 GB internal memory (20 000 OTDR traces, typical)	
Batteries	Rechargeable lithium-polymer battery 12 hours of operation as per Telcordia (Bellcore) TR-NWT-001138	
Power supply	Power supply AC/DC adapter, input 100-240 VAC, 50-60 Hz	
Wavelength (nm) b	850 ± 20/1300 ± 20/1310 ± 30/1550 ± 30/1650 ± 15	
Live wavelength (nm)	1650 Isolation: 50 dB from 1265 nm to 1617 nm	
Dynamic range (dB) c	26/29/36/35/35	
Event dead zone (m) d	SM: 0.7	MM: 0.7
Attenuation dead zone (m)	SM: 2.5 e	MM: 2.5 f
PON dead zone (m) g	35	
Distance range (km)	MM: 0.1 to 40	SM: 0.1 to 260
Pulse width (ns)	MM: 3 to 1000	SM: 3 to 20 000
MM launch conditions h	Option A: -10dBm ~ -70dBm: Option B: +23dBm ~ - 50dBm	
Linearity (dB/dB)	Output: -5dBm ± 2dB, Frequency: CW/270Hz/1KHz/2KHz	
MM launch conditions h	EF-compliant	
Linearity (dB/dB)	±0.03	
Loss threshold (dB)	0.01	
Loss resolution (dB)	0.001	

Specifications

Sampling resolution (m)	MM: 0.04 to 5 SM: 0.04 to 10
Sampling points	Up to 256 000
Distance uncertainty (m) i	±(0.75 + 0.0025 % x distance + sampling resolution)
Measurement time	User-defined
Reflectance accuracy (dB) b	±2
Typical real-time refresh (Hz)	4

In-Line Power Checker b,l,m

Power range (dBm)	–60 to 23
Power uncertainty (dB) j, k	±0.5
Calibrated wavelengths (nm)	1310, 1490, 1550, 1625, 1650
Selectable wavelengths (nm)	1310, 1490, 1550, 1577, 1625, 1650
Tone detection	270 Hz/330 Hz/1 kHz/2 kHz

a. All specifications valid at 23 °C ± 2 °C with an FC/APC connector, unless otherwise specified.
b. Typical.
c. Typical dynamic range with longest pulse and three-minute averaging at SNR = 1.
d. Typical, for reflectance of –55 dB in SM and –45 dB in MM.
e. Typical, for reflectance at –55 dB, using a 3-ns pulse.
f. Typical, for reflectance at –45 dB, using a 3-ns pulse.
g. Non-reflective FUT, non-reflective splitter, 13-dB loss, 50-ns pulse in SM, typical value.
h. Compliant with Encircled Flux TIA-526-14-B and IEC 61280-4-1 Ed. 2.0 using an external EF conditioner (SPSB-EF-C-30).
i. Does not include uncertainty due to fiber index.
j. At calibrated wavelengths.
k. Requires a good entry connector's health.
l. Not available when OPM2 is selected.
m.Specifications valid when OTDR not in operation or in idle mode.

Technical Specifications (in-line PON power meter with OPM2 in option)

Power range (dBm)	–60 to 23
PON power meter (nm)	Two channels: 1490/1550 and 1490/1577
Power uncertainty (dB) f, h	±(0.75 + 0.0025 % x distance + sampling resolution)
Calibrated wavelengths (nm)	1310, 1490, 1550, 1625, 1650
Selectable wavelengths (nm)	1310, 1490, 1550, 1577, 1625, 1650, 1490/1550, 1490/1577

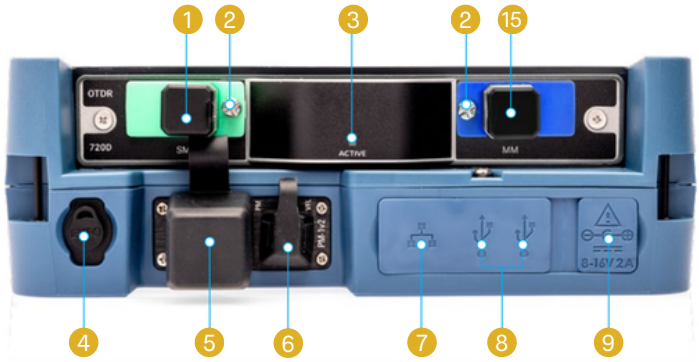
General Specifications

Size (H x W x D)	166 mm x 200 mm x 68 mm (6 9 /16 in x 7 7 /8 in x 2 3 /4 in)
Weight (with battery)	1.5 kg (3.3 lb)
Temperature Operating	–10 °C to 50 °C (14 °F to 122 °F)
Temperature Storage	–40 °C to 70 °C (–40 °F to 158 °F) c
Relative humidity	0 % to 95 % non-condensing

Source

Output power (dBm) d	MM: –2 SM: –8
Modulation	CW, 270 Hz, 330 Hz, 1 kHz, 2 kHz

Product Structure









1. SM/Live OTDR port
2. Swap out connector screw
3. Testing LED indicator
4. Stylus
5. Power meter
6. Visual fault locator
7. 10/100 Mbit/s Ethernet port
8. Two USB 2.0 ports
9. AC adapter
10. Home/switch application and screen capture (hold)
11. Power on/off/stand by
12. Battery LED status
13. Built-in WiFi/Bluetooth
14. Stand support
15. MM OTDR port on quad model

Ordering Information

MAX-720D-XX-XX-XX-XX-XX-XX-XX-XX-XX-XX-XX-XX

Optical configuration
SM1 = SM OTDR, 1310/1550 nm
SM8 = SM OTDR, 1310/1550 nm and 1650 nm live on single port
Q2-QUAD = QUAD OTDR, 850/1300 nm and 1310/1550 nm[a,b]

Base software
OTDR = Enables OTDR application only
iOLM = Enables iOLM application only
Oi = Enables OTDR and iOLM applications

SM and MM connector[c]
EA-EUI-28 = APC/DIN 47256
EA-EUI-89 = APC/FC narrow key
EA-EUI-91 = APC/SC
EA-EUI-95 = APC/E-2000
EA-EUI-98 = APC/LC
EI-EUI-28 = UPC/DIN 47256
EI-EUI-89 = UPC/FC narrow key
EI-EUI-90 = UPC/ST
EI-EUI-91 = UPC/SC
EI-EUI-95 = UPC/E-2000
EI-EUI-98 = UPC/LC
EI connectors = See section below

OPM option
00 = Without OPM2 option
OPM2 = In-line PON power meter mode (dual band)[d]

iOLM software pack[e]
00 = iOLM Standard
iADV = iOLM Advanced

Power meter
00 = Without power meter
VFL = Visual fault locator (650 nm)
PM2X = Power meter; GeX detector
VPM2X = VFL and power meter; GeX detector

Power meter connector adapter[f]
FOA-22 = FC/PC, FC/SPC, FC/UPC, FC/APC
FOA-32 = ST: ST/PC, ST/SPC, ST/UPC
FOA-54B = SC: SC/PC, SC/SPC, SC/UPC, SC/APC
FOA-96B = E-2000/APC
FOA-98 = LC
FOA-99 = MU

Software option
00 = Without additional software option
iLOOP = iOLM loopback mode[e]
iCERT = iOLM tier-2 certification[e]
PSWRD = Security management option

MaxTester's Wi-Fi and Bluetooth
00 = Without RF components
RF = With RF capability (Wi-Fi and Bluetooth)[g,h]

Extra FIP-400B tips[i]
Bulkhead tips
FIPT-400-LC = LC tip for bulkhead adapters[j]
FIPT-400-LC-APC = LC/APC tip for bulkhead adapter[k]
FIPT-400-SC-APC = SC APC tip for bulkhead adapter[k]
FIPT-400-SC-UPC = SC UPC tip for bulkhead adapter[j]

Patchcord tips
FIPT-400-U12M = Universal patchcord tip for 1.25 mm ferrules[j]
FIPT-400-U12MA = Universal patchcord tip for 1.25 mm ferrules APC[k]
FIPT-400-U25M = Universal patchcord tip for 2.5 mm ferrules[l]
FIPT-400-U25MA = Universal patchcord tip for 2.5 mm ferrules APC[k]

Base tips[i]
APC = Includes FIPT-400-U25MA and FIPT-400-SC-APC
UPC = Includes FIPT-400-U25M and FIPT-400-FC-SC

Inspection scope model[m]
00 = Without inspection scope
FP430B = Automated analysis digital video inspection scope
Automated focus
Automated pass/fail analysis
Triple magnification
Autocentering
FP435B = Wireless analysis digital video inspection scope[h]
Automated focus
Automated pass/fail analysis
Triple magnification
Autocentering

Example: MAX-720D-Q2-QUAD-EA-EUI-89-EI-EUI-89-iCERT-iADV

TRTL
FFS2100-AB35

OPTICAL TIME DOMAIN REFLECTOMETER

- Singlemode & Live Testing: 1310/1550/1625nm
- Measuring Range: 120km~240km
- 5.6 inch HD Touch Screen 640*480 pixels
- Event dead zone: 0.8m, Attenuation dead zone:4m









Specifications

Display	5.6-inch TFT-LCD (touch screen)
Battery	7.4V/2500mAh X 2 lithium battery (with air traffic certification), Continuously test: 8 hours (back light off), 3 Charging time: 3 hours
Data Storage	100,000 groups of curves
Interface	USB A Type×1, Micro-USB×1
Working Temp	-10°C~+50°C
Storage Temp	-20°C~+70°C
Humidity	<95% (non-condensation)
Dimension	215x155x68mm/1.1kg (battery included)
Accessories	Main unit, 12V power adapter, Lithium battery, FC adapter, USB cord, User guide, carrying case, wrist belt
Network	Wireless Lan, TCP,GPRS, wifi,wiegand
Model	FFS2100-S-AB35
Wavelength	1310/1550/1625nm
VFL	1-20mW
OPM	Option A: -10dBm ~ -70dBm: Option B: +23dBm ~ - 50dBm
Laser Source	Output: -5dBm ± 2dB, Frequency: CW/270Hz/1KHz/2KHz

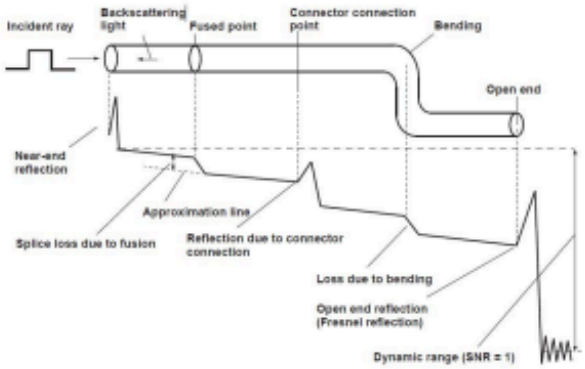
Humanized Test Interface

FFS2100 could display Splice loss, Connector loss, Fiber attenuation, Reflection of points, Link optical return loss and distance to fiber events etc. With test information in a smart way, user could get detailed information immediately.

Quick fit in short time

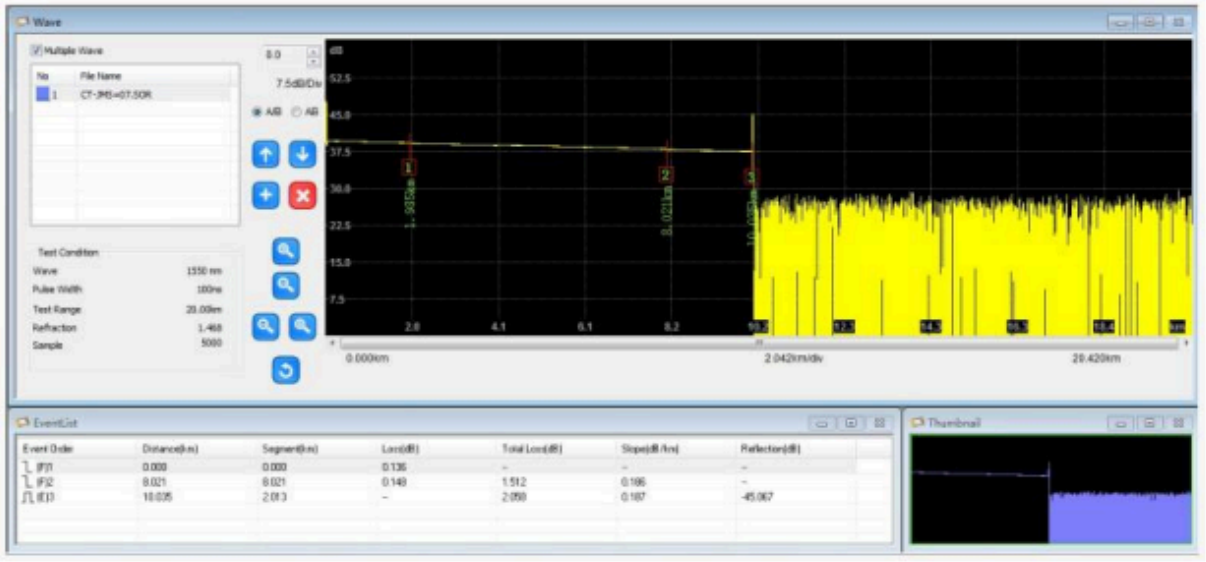
Simplified display style and structured menus help effective in reducing the time of study.



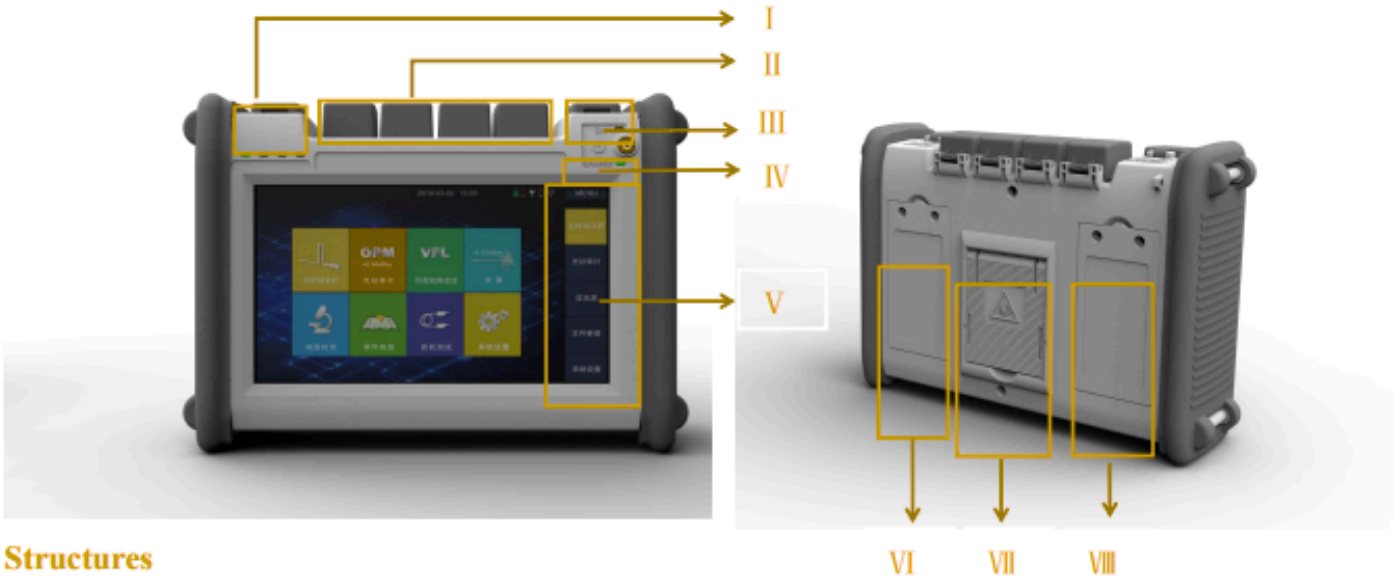


High Compatibility

- **Support:**
  - -Windows Vista (32/64 bit system)
  - -Windows 7 (32/64 bit system)
  - -Windows 8 (32/64 bit system)
  - -Microsoft Office Excel 2007
  - -Microsoft Office Excel 2010
  - -Microsoft Office Excel 2013



Product Structure



Structures

Number	Items	Description
I	Port 1	MINI-USB and charging port
II	Port 2	Including OTDR testing port x 2, VFL Port, Power Meter Port, Laser Source Port
III	Port 3	Including USB A, micro-SD card
IV	Indicator	Indicate module work state
V	Key Area	Averaging test /REAL TIME button and Auto test button F1~F5: select relevant sub-menu OK: confirm button ESC: cancel button MENU: back to main menu SETUP: enter testing parameter setting interface FILE: enter file manager A/B： cursor A and cursor B : power button
VI VIII	Battery Bin	7.4V/2500mAh x 2
VII	Support Plate	Support OTDR on the level surface

TRTL
FFS2100-SM32

OPTICAL TIME DOMAIN REFLECTOMETER

- Singlemode & Multimode: 1310/1550/850/1300nm
- Measuring Range: 120km~240km
- 5.6 inch HD Touch Screen 640*480 pixels
- Event dead zone: 0.8m, Attenuation dead zone:4m









Specifications

Display	5.6-inch TFT-LCD (touch screen)
Battery	7.4V/2500mAh X 2 lithium battery (with air traffic certification), Continuously test: 8 hours (back light off), 3 Charging time: 3 hours
Data Storage	100,000 groups of curves
Interface	USB A Type×1, Micro-USB×1
Working Temp	-10°C~+50°C
Storage Temp	-20°C~+70°C
Humidity	<95% (non-condensation)
Dimension	215x155x68mm/1.1kg (battery included)
Accessories	Main unit, 12V power adapter, Lithium battery, FC adapter, USB cord, User guide, carrying case, wrist belt
Network	Wireless Lan, TCP,GPRS, wifi,wiegand
Model	FFS2100-SM32
Wavelength	1310/1550/850/1300nm
VFL	1-20mW
OPM	Option A: -10dBm ~ -70dBm: Option B: +23dBm ~ - 50dBm
Laser Source	Output: -5dBm ± 2dB, Frequency: CW/270Hz/1KHz/2KHz

Humanized Test Interface

FFS2100 could display Splice loss, Connector loss, Fiber attenuation, Reflection of points, Link optical return loss and distance to fiber events etc. With test information in a smart way, user could get detailed information immediately.

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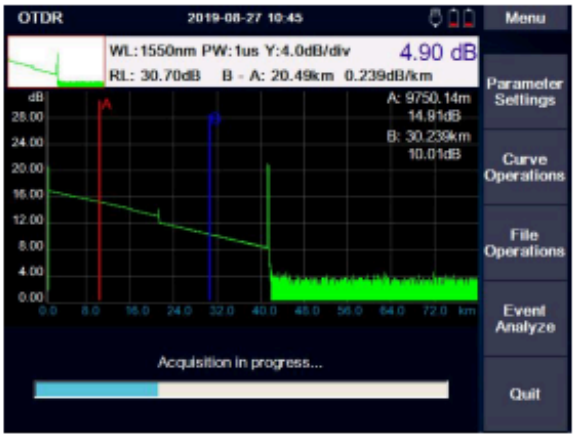

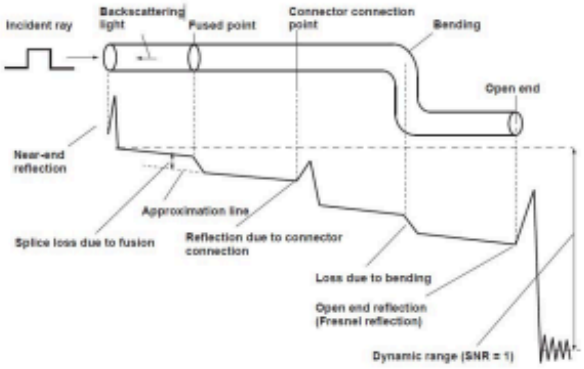

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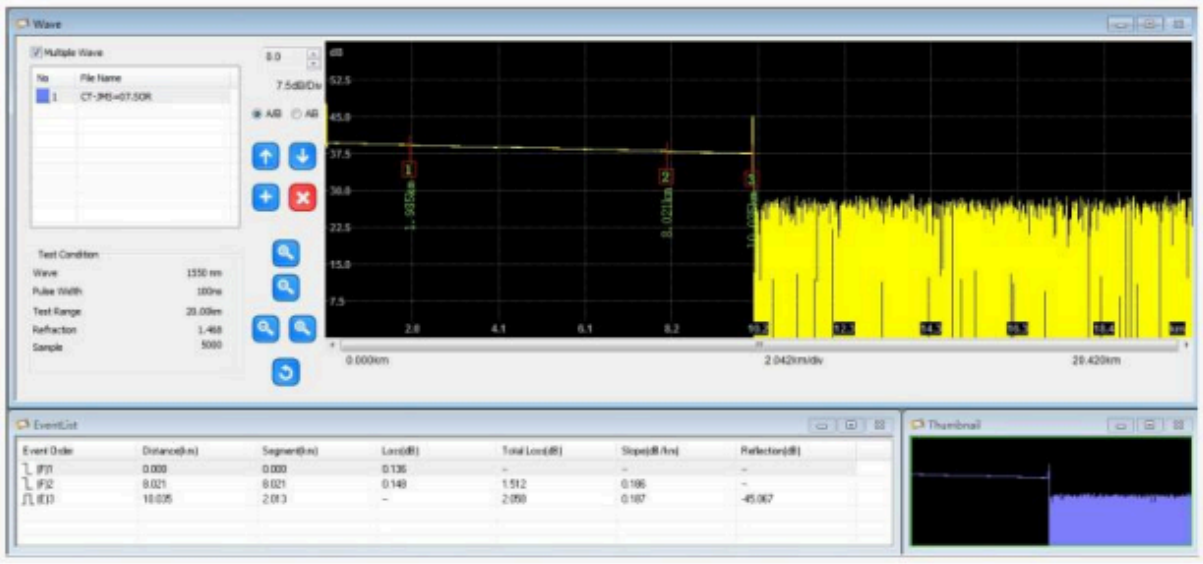
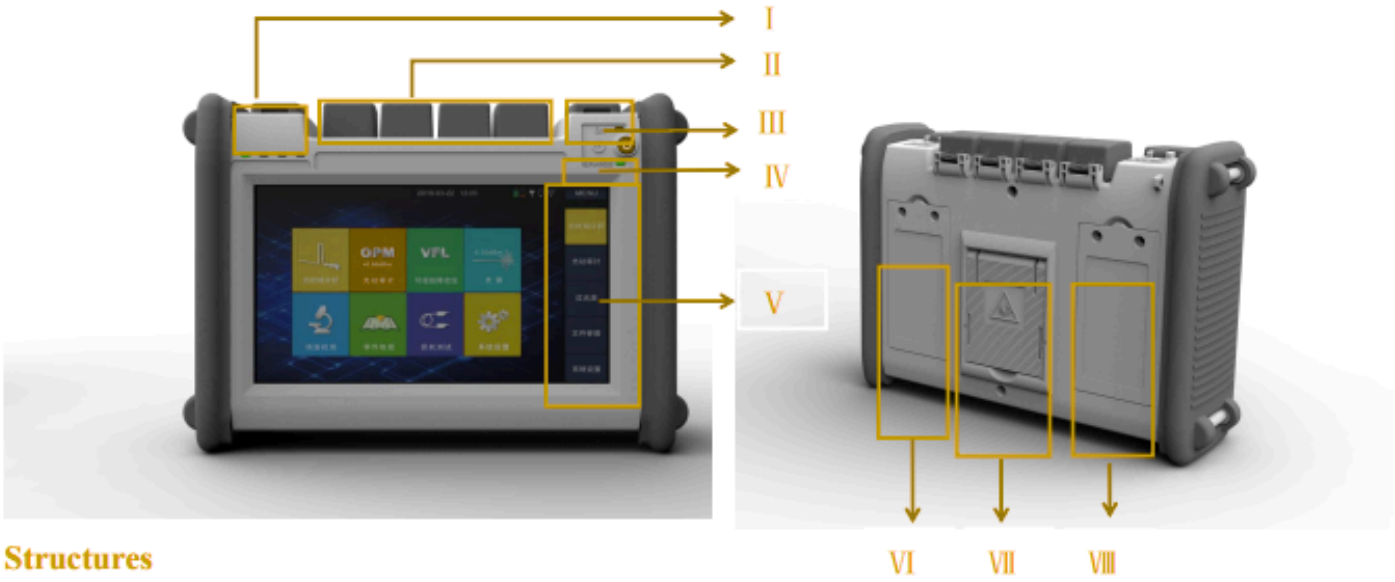


Product Structure



Structures

Number	Items	Description
I	Port 1	MINI-USB and charging port
II	Port 2	Including OTDR testing port x 2, VFL Port, Power Meter Port, Laser Source Port
III	Port 3	Including USB A, micro-SD card
IV	Indicator	Indicate module work state
V	Key Area	Averaging test /REAL TIME button and Auto test button F1~F5: select relevant sub-menu OK: confirm button ESC: cancel button MENU: back to main menu SETUP: enter testing parameter setting interface FILE: enter file manager A/B： cursor A and cursor B : power button
VI VIII	Battery Bin	7.4V/2500mAh x 2
VII	Support Plate	Support OTDR on the level surface

TRTL
FFS1100-M24

OPTICAL TIME DOMAIN REFLECTOMETER

- 9 in 1 Function
- The 4.3-inch full-view capacitive touch-screen supports multi-touch
- Cover plate type tempered glass panel
- Support horizontal version, vertical version, perfect fusion of the two habits of user operations.









Specifications

Measuring Range	100m,500m,2km, 5km, 10km, 20km, 40km, 80km/90km
Sampling Resolution	Min. 0.2m
Sampling Point	64,000 points
Linearity	≤ 0.05dB/dB
Loss Threshold	0.01dB
Loss Resolution	0.001dB
Range Resolution	0.01m
Range Accuracy	±(0.5m + Range x 3x10−5+ Sampling Resolution) (Excluding refractive Index Error)
Memory	>40000
VFL	10mW, CW/2Hz
Data Interface	2pcs USB (Type Ax1, Micro USB x1), SD card
Screen	4.3-inch TFT-LCD (Standard Distribution Capacity Touch Screen)
Battery	3.7V/5200mAh
Temperature	Working Temperature: -10°C ~ +55°C; Storage Temperature: -20°C ~ +80°C
Humidity	≤95% (No Condensation)
Size/Weight	175x105x45mm/0.56kg (including battery)

Specifications

Attachment	Power Adapter, Lithium Battery, FC Adaptor, USB cable, quick guide, portable package
OPM	Type A: +10dBm ~ -70dBm; Type B: +26dBm ~ -50dBm
LS	The output power: -5dBm, Modulation Frequency: CW/270Hz/1KHz/2KHz
Network Cable Test	Support Network wire sequence testing and wire alignment

1. OTDR
2. OPM
3. VFL
4. LS
5. NETWORK CABLE TEST



6. FIBER INSPECTION
7. EVENT MAP
8. LOSS TEST
9. FLASHLIGHT







NOVKER
H430

MINI OPTICAL NETWORK TESTER



- 12 functional modules including OTDR, OPM, VFL, and RJ45 cable tracker for diverse testing needs.
- 4.3-inch capacitive touchscreen with Android UI for easy, intuitive operation.

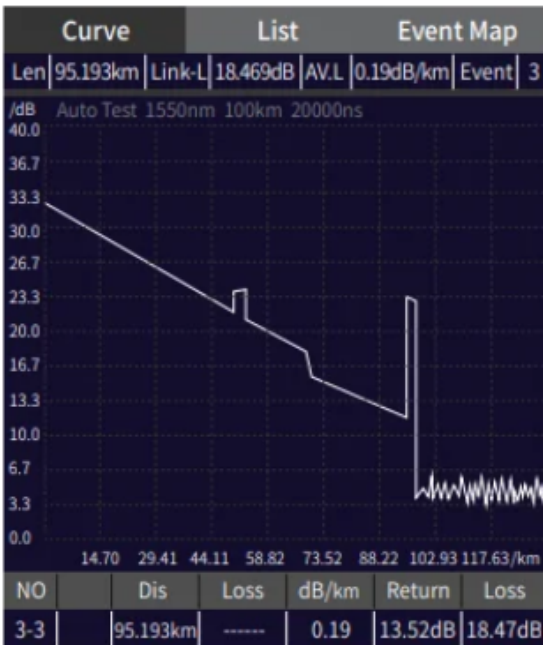
H430 series optical network tester is the first multi-functional intelligent and high-precision test instrument of Android system style. It uses "Android" UI design, adopts 4.3-inch capacitive touchscreen, supports multi-point touch, and is more comfortable and simple to operate. It has 12 functional modules: AUTO OTDR, Expert OTDR, event map, optical power meter, visual fault location, stable laser source, RJ45 cable tracker, RJ45 cable sequence, RJ45 cable length test, laser ranging, optical loss test, flashlight.

It can meet various test require- ments in different occasions. OTDR has Im ultra short event blind area, the maximum dynamic range is 32dB, 8G of storage which can store 200000 curves; it uses 4000mAh high-density and high-capacity polymer lithium battery, and operating time is more than 10 hours under high brightness. It has accurate test precision and information collection ability, and the powerful internal analysis software can provide accurate data service for terminal testers.

Hicloud H430 series are used to measure the fiber and cable length, loss, connection quality and other parameters. They are widely used in the construction of Metropolitan area network communication system, line maintenance and emergency repair test, research and production measurement of optical fiber and cable.

Product Highlights

OTDR/EVENT MAP



Auto OTDR: no complex settings, one key test; Expert OTDR: professional test mode, curve, list, map display at the same time; 50dB isolation, 1650nm on-line test.

LASER RANGING



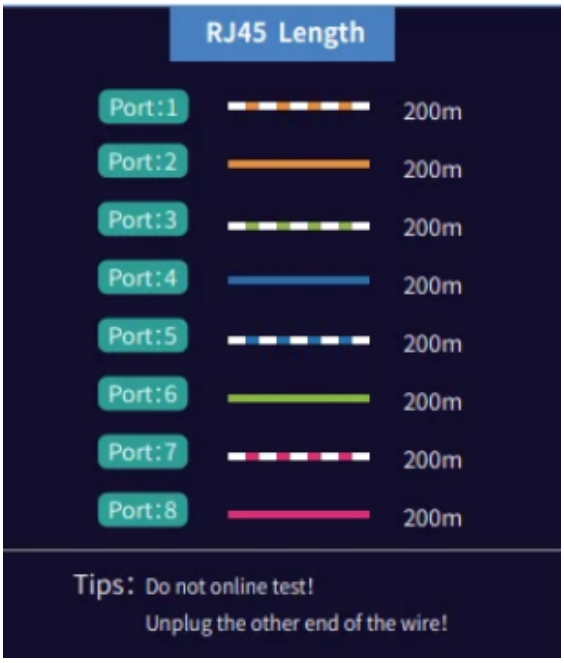
40m precision ranging,±2mm test accuracy; Support area, volume, angle, speed etc; Multi test mode, store measurement data.

RJ45 CABLE TRACKER



Digital radar tracking, strong anti-jamming ability; According to the distance of target, the prompt frequency is different; Support online tracking/tracking by line pair.

RJ45 CABLE LENGTH



RJ45 cable sequence test, cable length test; The maximum distance is 300 meters.

Specifications

Optical Power Meter — Support frequency/wave identification, data acquisition

Stable Laser Source — Support CW/modulation/twins output, power is adjustable

Multi task simultaneous operation — VFL and LS run in the background

Function configuration

Remote upgrade

AUTO OTDR, Expert OTDR, event map, OPM, VFL, LS, RJ45 cable tracker, RJ45 cable sequence, RJ45 cable length test, laser ranging, optical loss test, flashlight

	OTDR							PON OTDR	
Model	**H430-S1**	**H430-S2**	**H430-S3**	**H430-P1F1**	**H430-P1F2**	**H430-P2F1**	**H430-P2F2**	**H430-M1**	**H430-P1F3**	**H430-P2F3**
Type	G.652 SM							MM	SM	SM
Wavelength	1310/1550nm			1625nm		1650nm		850/1300nm	1625nm	1650nm
Dynamic Range	28/26dB	30/28dB	32/30dB	26dB	28dB	26dB	28dB	22/24dB	32dB	32dB
Event Blind Zone	1.2m							1.5m	1.2m	1.2m
ATT Blind Zone	5m							6m	5m	5m
Test Range	500m/1km/2km/4km/8km/16km/32km/64km/100km									
Pulse Width	3ns/5ns/10ns/20ns/30ns/50ns/80ns/160ns/320ns/500ns/800ns/1μs/2μs/3μs/5μs/8μs/10μs/20μs									
Ranging Accuracy	± (1m+Sample interval+0.005% × Test distance)									
Linearity	≤0.05dB/dB									
Sample Points	16k~256k									
Sample Resolution	0.05m~8m									
Loss Resolution	0.001dB									
Loss Threshold	0.01dB									
Range Resolution	0.001m									
Refractive Index	1.00000~2.00000, 0.00001 Step									
Reflection Accuracy	±3dB									
File Format	SOR Standard File Format									
Loss Analysis	4-point method /5-point method									
Laser Safety Level	Class II									
Connector	FC/UPC (Interchangeable SC、ST)									
Refresh Rate	3Hz (Typ.)									
Multitasking	Support									

Specifications

OPM	
Wave Range	800nm~1700nm
Calibration Wave	850/980/1300/1310/1490/1550/1625/1650nm
Test Range	-70~+10dBm/-50~+26dBm
Resolution	0.01dB
Uncertainty	±5%
Frequency Identification	CW/270/330/1k/2kHz(Use inner LS)
Connector	Universal FC/SC/ST
Wave Recognition	Support

Laser Ranging	
Test Range	0.05~40m
Accuracy	±2.0mm
Laser Type	620~690nm
Laser Safety Level	Class II , <1mW

Optical Loss Test	
Wavelength	Consistent with LS
Test Range	Consistent with OPM
IL Test	Support

LS	
Wavelength	Consistent with OTDR
Laser Type	FP-LD
Power	⩾-5dBm
Stability	CW, ±0.5dB/15min (After15min of preheating)
Connector	FC/UPC (Interchangeable SC、ST)
Mode	CW/270Hz/330Hz/1kHz/2kHz
Wave Recognition	Support

VFL	
Wavelength	650nm±20nm
Output Power	⩾10mW
Mode	CW/1Hz/2Hz
Connector	FC/UPC (Interchangeable SC、ST)
Laser Safety Level	Class III

RJ45 Cable Tracker	
Mode	Digital/Analog Tracking
Distance	⩾300m
Online/Line Pair Tracking	Support

RJ45 Cable Length	
Test Distance	⩾300m

Note:H430-P1F3/H430-P2F3 PON Blind Zone is 30m.

Others	
Display	4.3 inches 800×480 IPS TFT - LCD Multi touch capacitive touch screen
Power Supply	AC/DCadapter:input:100V~240V, 50/60Hz, 0.6A output:5V, 2A, Lithium battery:3.7V, 4000mAh
Battery Working	High brightness, Continuous test>8 hours
Data Storage	Internal storage:8GB, ⩾20 thousand curves
Data Interface	USB Type C
Fingerprint Identification	Optional
Working Temperature	-10°C~+50°C
Storage Temperature	-40°C~+70°C
Relative Humidity	0~95% Non Condensing
Weight	About 0.4kg (Battery included)
Size	174mm×92mm×45mm

NOVKER
NK6200 PON OTDR

HIGH-PERFORMANCE OTDR

- PON network online test
- 0.5m Event Dead Zone
- Maximum dynamic range of 45dB
- Integrate OTDR/VFL/LS/OPM /Event Map/End Detection/Optical Loss Test/Ethernet test/ Remote test/File management



Series OTDR adopt 7 inch capacitance touch screen, which integrates 9 modules. With excellent intelligent hardware design, the accuracy of short fiber test and automatic test is higher. It can test 1:64splitter. It is equipped with rich Ethernet test (Ping /PPOE, etc), support APP c ontrol. Series is used to test the optical fiber length, loss and connection quality, and used in the engineering construction, link maintenance test, They are mainly used in urban trunk, bone trunk network and metropolitan area network.

TARATEL
TELECOM SUPPLIES TRADING

Technical Specifications

Model	PD1	PS1	PS2	PT1	PT2	PT3	PT4
Wavelength	1310nm±20nm 1550nm±20nm	1625nm±20nm (Filtered)	1650nm±5nm (Filtered)	1310nm/1550nm±20nm 1625nm±15nm (Filtered)			1310/1550nm±20nm 1650±5nm (Filtered)
Filter	/	High pass>1595nm Isolation>40dB (1270nm~1585nm)	Bandpass1650nm±7nm Isolation>40dB (1650nm±10nm)	High pass>1595nm Isolation>40dB (1270nm~1585nm)			Bandpass1650nm±7nm Isolation>40dB (1650nm±10nm)
Fiber Type	G.652						
Max Dynamic Range	37/35dB	38dB	38dB	38/36/36dB	40/38/38dB	42/40/40dB	38/36/36dB
Event Blind Zone	0.5m						
ATT Blind Zone	3.5m						
PON Blind Zone	30m						
Test Range	100m/500m/1.25km/2.5km/5km/10km/20km/40km/80km/125km/260km/420km						
Pulse Width	3ns/5ns/10ns/20ns/30ns/50ns/80ns/100ns/200ns/300ns/500ns/800ns/1us/2us/3us/5us/8us/10us/20us						
Ranging accuracy	± (0.75m+ Sample interval+0.0025%×Test distance)						
Linearity	0.03dB/dB						
Sample Points	≥256k						
Sample Resolution	0.015m~16m						
Reflection Accuracy	±2dB						
Loss Resolution	±0.001dB						
Loss Threshold	0.01dB						
File Format	SOR Standard File Format						
Loss Analysis	4-point method /5-point method						
Laser Safety Level	Class II						
Refresh Rate	4Hz (Typ.)						
Data Storage	Internal storage: 2GB, 200,000curves; External storage:64GB						
Connector	FC/UPC (Interchangeable SC、ST)						
Data Interface	USB-A、Type-C port, RJ45 LAN 10/100Mbit/s						

OPM

Wavelength range	800nm~1700nm
Connector	Universal FC/SC/ST
Test scope	-50dBm~+26dBm/-70dBm~+6dBm
Uncertainty	±5%
Calibration wavelength	850nm/980nm/1300nm/1310nm/1490nm/1550nm/1625nm/1650nm

OLS

Laser Type	FP-LD
Wavelength	Consistent with OTDR output wavelength
Output power	≥-5dBm(SM fiber)
Mode	CW/270Hz/1kHz/2kHz
Stability	CW, ±0.5dB/15min (Test after 15 minutes of preheating)
Connector	FC/UPC (Interchangeable SC、ST)

VFL

Wavelength	650nm±20nm
output power	≥10mW
Mode	CW/1Hz/2Hz
Connector	FC/UPC (Interchangeable SC、ST)

The optical loss test index refers to the above lightsource and optical power meter index

Others

Display	7 inch color LCD + touch screen Resolution:800×480
Power supply	Type-C adapter: Input: 100V~240V , 50/60Hz ,Output:5V/3A,9V/2A,12V/1.5A Lithium battery : 3.7V,10400mAh
working mperature	-10°C~+50°C
Storage temperature	-40°C~+70°C
relative humidity	0~95%, Non Condensing
Weight	≤1.2kg
Size	215mm×160mm×50mm

Functions of Host: OTDR/OPM/VFL/LS/Event Map/Fiber End Detection/Optical Loss Test/Ethernet Remote/Network Test

Configuration List

ITEM NAME	
1	Host
2	AC/DC power adapter
3	U dsik(containing analysis software/User's Manual)
4	Data line
5	OTDR SC adapter
6	OPM SC adapter
7	User's Manual
8	Calibration Certificate
9	Certificate/Warranty Card
10	Clean cotton piece
11	Leather knob
12	Special backpack instrument

VIAVI
SMART OTDR

HANDHELD FIBER TESTER

- Password protection and Watermark logo options
- Integrated CW light source
- 4G connectivity via USB,Bluetooth/WIFI options
- All-day battery life (17 hours autonomy)
- PON optimized to test through 1x128 splitter ratio with FTTH-SLM




Display and keypad visible


Profile with kickstand folded


Back side with kickstand/support

Product Features



Product Details





1. 5-inch high-visibility capacitive touch screen
2. Charge indicator
3. On indicator
4. File menu
5. Setup menu
6. Start/Stop
7. Testing indicator
8. On/Off
9. Home page
10. Cancel (switch off functions)
11. Direction and validation keys
12. Results page
13. Loudspeaker
14. AC/DC input
15. Slave mini USB port
16. Visual fault locator (VFL)
17. Master USB ports
18. OTDR port/continuous light source/power meter
19. OTDR live port (in-service test)/dual-band power meter
20. WiFi/Bluetooth options





Specifications

General		
Display	5-inch (12.5 cm) capacitive color touch screen - 800 x 480 W VGA	
Interfaces	2x USB 2.9 ports, 1x mini-USB 2.0 port, built -in Bluetooth 4.2 and WiFi 802.11b/g/n (optional)	
Storage	1 GB (20,000 0TDR traces typical)	
Battery	Rechargeable Lithium-ion battery, up to 17 hours of operation	
Power supply	AC/DC adapter, input 100-240 V AC,50-60 Hz; 2 A max, output 12 V DC, 24 W	
Electrical safety	EN/IEC 60950-1 compliant	
Size (HxWxD)	175 x 138 x 57 mm (6.9 x 5.4 x 2.24 in)	
Weight (battery included)	Less than 0.9 kg (1.9 lb)	
Operating/storage temperature	Operating: -20 to +50*C (-4 to 122*F); storage: -20 to 60*C (-4 to 140*F)	
Humidity (noncondensing)	5 to 95%	
OTDR		
Laser safety	Class 1 per IEC 60825-1:2-14 and FDA 1040.10 standards	
Sampling points	Up to 256,000 data points	
Display range	0.1 km to 260 km	
Sampling resolution	4 cm	
Distance accuracy	(±1 m) ± (sampling resolution) ±(1.10-5 x distance), excluding group index uncertainties	
Attenuation resolution	0.001 dB	
Attenuation linearity	±0.04 dB/dB	
	SmartOTDR 100AS	**SmartOTDR 100B**
Central wavelength	1310/1550 nm ±20 nm	1310/1550/1625/1650 nm ±20 nm
RMS dynamic range	30/30 dB	40/40/41/41 dB
Pulse widths	5 ns to 20 με	3 ns to 20 με
Event dead zone	1.35	0.8 m
Attenuation dead zone	4m	2.5 m
Live wavelength isolation	Not available	1625 nm: >45 dB;1290 to 1580 nm 1650 nm: >45 dB; 1260 to 1620 nm
Splitter attenuation dead zone	Not available	45 m after 15 B splitter loss

Specifications

Light Sources	
Wavelenghts	1310/550/1650 nm
Tone Generation	270 Hz, 330 Hz, 1 kHz, 2 kHz
Output power level6	- 3.5 dBm in CW mode
Stability (8 hr)7	±0.05 dB
In-line Broadband Power Meter Option9 (InGaAs)	
Tone detection	270 Hz, 330 Hz, 1 kHz, 2 kHz, and TWINTest
Measurement range11	–55 to 0 dBm
Wavelengths	Calibrated: 1310, 1490, 1550, 1625, and 1650 nm
Measurement accuracy8	±0.5 dB
Built-in Visual Fault Locator Option	
Wavelength	650 nm –10/+15 nm
Emission mode	CW, 1 Hz
Laser safety	Class 2 per IEC 60825-1:2014 and FDA 1040.10 standards
Built-in Dual-band Power Meter (118FA65PPM and 118FB65PPM versions)	
PON Power Meter (2 channels)	Selectable wavelengths: 1310/1550 nm; 1490/1550 nm; 1490/1577 nm
Power Meter (1 channel)	Selectable wavelengths: 1310 to 1500 nm and 1540 to 1650 nm in 1 nm step
Measurement ranges	1310 to 1500 nm: –35 to +5 dBm; 1540 to 1650 nm: –35 to +23 dBm

ELOIK
ALK-7000

OPTICAL TIME DOMAIN REFLECTOMETER

- Multi-wavelength test
- Multiple Test Modes
- 7-inch touch LCD color Screen
- OTDR self testing function
- External USB LED light
- Finger combine to control curve zoom in, zoom out and move
- Document can be exported in PDF Format









Standard Package


OTDR


FC/SC (optional)


AC/AD charger & adapter


USB Disk


LED Light



Toughened Membrane


Carrying Bag


Calibration Certificate

Specifications

LCD size	7-inch enhanced capacitive touch screen
Standard Optical Interface	FC/SC/ST/LC (optional)
Fiber Type	Single core
Sampling Resolution	0.08m
Loss resolution	±0.05dB
Data Sampling Point	128000
Distance Uncertainty	(1+0.005% x Distance + Sampling Resolution)
Accuracy level of loss rate test	±0.05dB/dB
Storage	10,000 curves
Battery	lithium battery
Battery Endurance	>10 hours (according to Bellcore TR-NWT-001138)
Working Temperature	-20°C ~ +50°C
Storage Temperature	-40°C ~ +70°C
Dimension (L*W*H)	22.5cmx4.5cmx16.5cm
Weight	1Kg

Ordering Information

Model	Dynamic Range	Wavelenght	Attenuation Dead Zone	Event Dead Zone	Pulse Width
ALK-7000-M1	22/20dB	850/1300nm	5.5m	1.5m	10ns-25us
ALK-7000-A	26/24dB	1310/1550nm	10m	2m	10ns-25us
ALK-7000-B	32/30dB	1310/1550nm	5.5m	1.5m	10ns-25us
ALK-7000-C	34/32dB	1310/1550nm	5.5m	1.5m	10ns-25us
ALK-7000-D	36/34dB	1310/1550nm	5.5m	1.5m	10ns-25us
ALK-7000-P1	36/34/30dB	1310/1550/ 1625nm	5.5m	1.5m	10ns-25us

Configuration

VFL (Visual Fault Locator)		
Wavelength	650nm±20	
Output Power	<2mW Standard	
Standard Connector	FC/UPC	
OPM (Optical Power Meter)		
Model	A	B
Detection Range	-60~+16dBm	-50~+26dBm
Wavelength Range	850/980/1300/1310/1490/1550/1625nm	
Detector Type	InGaAs	
Linearity	±5%	
OLS(Optical Light Source)		
Wavelength	1310/1550nm	
Output Power	>-7dBm	

LINKIQ™INDUSTRIAL ETHERNET CABLE+ NETWORK TESTER

- Validate cable performance to support Ethernet/IP, PROFINET, EtherCAT
- Identifies miswired and split pairs on RJ45, M12X, M12D, and M8D terminated cables
- Identify connected switch information (Switch Name, Port Number, and VLAN)
- Install and troubleshoot PoE devices via Switch Negotiation and PoE Load test
- Document your work through LinkWare™ PC









LINKIQ™ FEATURE BREAKOUT



1. RJ45 Port
2. PASS/FAIL frequency-based measurement results
3. Touch Screen Color Display
4. Length measurement shows distance to termination, open or short
5. Wiremap shows type and location of fault (miswires, split pairs, shorts, breaks)
6. USB-C port for data export, software updates and charging
7. Cable “Speedometer” provides bandwidth information up to 10G
8. Save up to 1000 test results on the unit and export to LinkWare™ PC

Specifications

Weight	1 lbs 6 oz (624g)
Battery	Type: Lithium-ion, 3.6 V, 6400 mAh; Life: 8 hours typical; Charge time: 4.5 hours; Charging temperature range: 0 °C to +40 °C
Power Adapter	Input: 100 to 240 VAC ±10%, 50/60Hz; Output: 15 VDC, 2 A maximum; Class II
Display	800 x 480 color capacitive multi-touch
Dimensions	8.5 in x 4.5 in
Storage Temperature	-20°C to 50°C (-4°F to 122°F)
Operating Altitude	4,000 m; 3,200 m with ac adapter
Test Port	Shielded 8-pin modular jack accepts 8-pin modular (RJ45) plugs
Commissioning Autotests	10GBASE-T, 5GBASE-T, 2.5GBASE-T, 1000BASE-T, 100BASE-TX, 10BASE-T, Wire map Only. Test Speed: 6 seconds for lengths < 70 m
Cable Types	Balanced twisted-pair cabling; Unshielded twisted-pair; Screened twisted-pair; 2-pair and/or 4-pair
Wire Map-Only Tests	Document wire map, Length of each pair, Diagnose split pairs, User selectable T568A or T568B, User selectable crossover settings (Straight through, Half-crossover, Full-crossover). Test speed: 1 second for lengths < 120 m
Length (Maximum)	305 m (1000 ft)
Tone Generator	Generates digital tones compatible with Fluke Networks IntelliTone probe. Generates analog tones compatible with general analog probes.
Remote ID Locators	Use remote ID terminations to identify up to 7 unique ports or office outlets

OPTICAL POWER METER &

OPTICAL LIGHT SOURCE



HONSERV
HSV-300P

OPTICAL POWER METER



- Comfortable LCD display and optional backlight LCD display supports night operation;
- Power measurements in dBm or mw and insertion loss in dB;
- Reference power level storage(Ref Setting)
- 10 minutes Auto-off function can be activated or deactivated
- Low battery consumption, more than 240 hours continual operation time with three 1.5V alkaline batteries;

Detailed View:







Description

This **optical power meter** series is a compact and an easy-to-use testing instrument for optical fiber networks, which can be used for absolute optical power measurements as well as for relative loss measurements in optical fibers. It has features of ingenious appearance, wide range of power measurement, high accuracy with high performance-to-price ratio.

FEATURES

- Comfortable LCD display and optional backlight LCD display supports
- night operation;
- Power measurements in dBm or mw and insertion loss in dB;
- Reference power level storage(Ref Setting)
- Low battery consumption, more than 240 hours continual operation time with three 1.5V alkaline batteries;
- 10 minutes Auto-off function can be activated or deactivated.

Specifications

Wavelength(nm)	800~1700nm
Detector	InGaAs
Measurement Range (dBm)	-70~+3
Uncertainty	±5%
Calibrated Wavelength(nm)	850,1300,1310,1490,1550,1625
Resolution(dB)	0.01
Optical Connector	FC(interchangeable SC,ST) / as well as 2.5mm universal
Power Supply	Alkaline Battery(3 AA 1.5V batteries)
Battery Operating Time	240 h with 1.5V Battery(3)
Operating Temperature(℃)	-10 ~ +60
Storage Temperature(℃)	-25 ~ +70
Relative Humidity	0 to 95% (non-condensing)
Dimension(mm)	200 X90 X50
Weight(g)	285

HONSERV
HSV-300L

OPTICAL LIGHT SOURCE



- Tone generation, 270HZ, 1KHZ,2KHZ
- Output power value is shown on LCD display
- AA alkaline for power supply;
- Low battery indication
- Intelligent backlight control (light intensity can be adjusted properly according to ambient light, which greatly reduced power consumption);

Detailed View:







Description

Optical Light Source is one of the latest self developed test instrument.It can provide 2 to 5 wavelength output according to the specific requirements including the 650nm red source,1310/1550nm wavelength for the single mode fiber and 850/1300nm wavelength for the multimode fiber or other wavelengths according to customer needs. Together with optical power meter, it acts as a perfect solution for the fiber optic network work.

FEATURES

- Tone generation, 270HZ, 1KHZ,2KHZ;
- Output power value is shown on LCD display;
- Intelligent backlight control (light intensity can be adjusted properly
- According to ambient light, which greatly reduced power consumption);
- AA alkaline for power supply;
- Low battery indication.

Specifications

Operating wavelength（nm）	1310/1550 (others specify on requests, Max wavelength is 5)
Applicable fiber	SM ,MM
Laser type	FP-LD(others specify on requests)
Maximum Output Power（dBm）	-7（can be adjustable, others specify）
Stability(dB，15min，20℃)	±0.1
Stability(dB，30min，20℃)	±0.05
Modulation（Hz）	CW， 270，1K，2K
FiberPort	FC/PC or FC,SC,ST interchangeable
Alkaline Battery	3XAA，1.5V
Battery Operating time(h)	45
Operation Temperature(℃)	-10～+60
Storage Temperature(℃)	-25～+70
Outline size（mm）	200 X90 X50
Weight(g)	285

HONSERV
HSV-300N

10G WAVELENGTH DIVISION OPM



- Offers up to 10 different threshold sets in total
- 10 groups of data can be saved
- Support EPON/10G EPON/XGPON downlink wavelength power measurement
- The PASS/FAIL result is displayed
- Split-wave optical power measurement
- Support common power meter power measurement.
- Support automatic shutdown Settings

Product Highlights

- Offers up to 10 different threshold sets in total
- 10 groups of data can be saved
- Support EPON/10G EPON/XGPON downlink wavelength power measurement
- The PASS/FAIL result is displayed
- Split-wave optical power measurement
- Support common power meter power measurement.
- Support automatic shutdown Settings

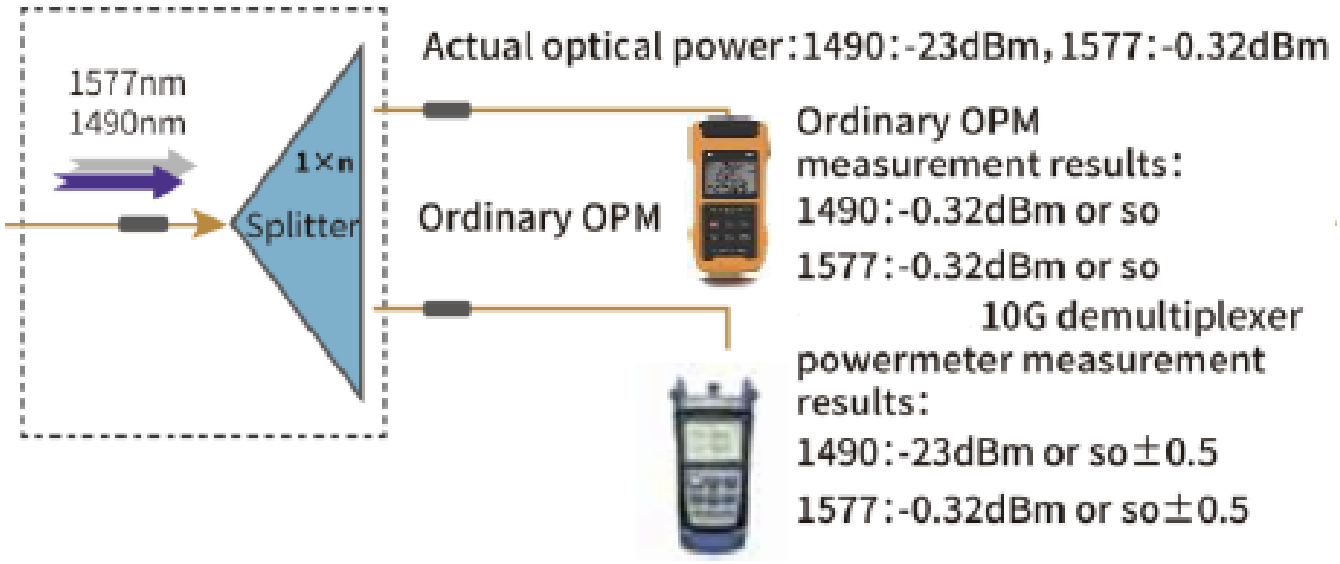
Product Overview

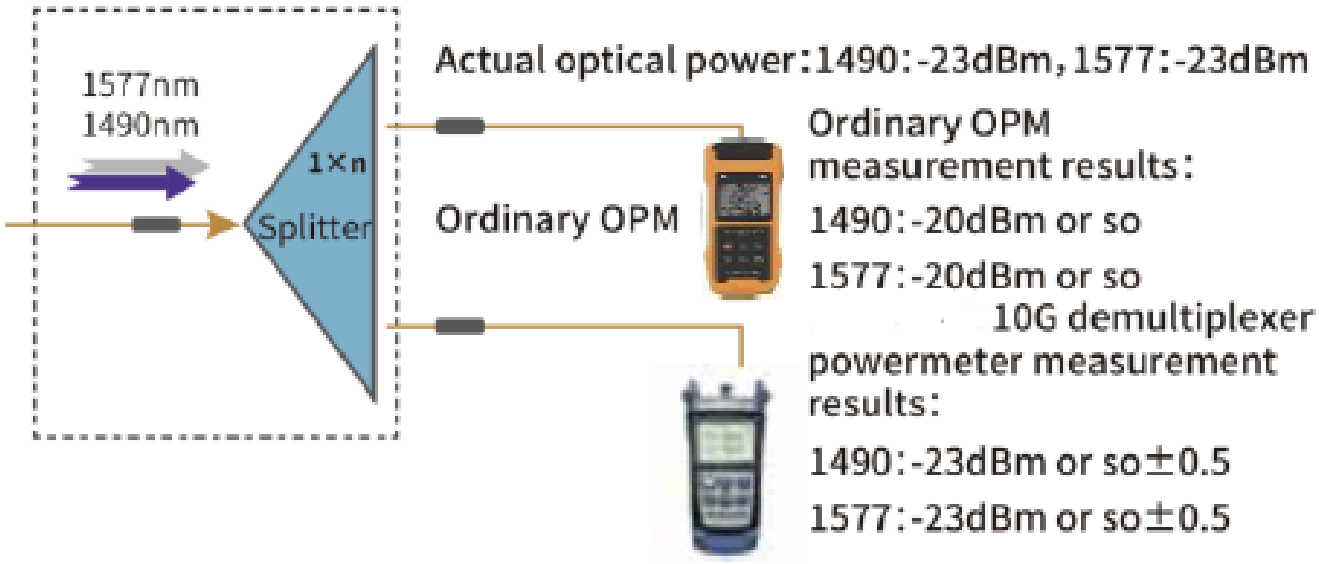
10G Wavelength Division Optical Power Meter are mainly used for the installation, test and maintenance of FTTH Optical Access Network. When there are multiple wavelengths of optical signals in an optical fiber, the traditional OPM can not identify the wavelength. Different fromthe traditional OPM, this series can identify the wavelength and give the power value of each wavelength in the fiber at the same time.

It is mainly used for the power measurement of the downlink signal 1490nm, 1577nm and 1550nm in 10GE PON/XGPON and RF network, so that the installation and maintenance personnel can truly grasp the power value of the single wavelength optical signal and accurately judge
whether the optical power value meets the standard

Specifications

10G Wavelength Division Optical Power Meter			
Model	Dual-wavelength		Ordinary OPM
Wavelength	1490±10 nm	1577±10nm	(Calibration wavelength)1310nm/1550nm/ 1625nm/1300nm/1270nm
Isolation 1490nm	--	>25dB	
Isolation 1577nm	>25dB	--	
Dynamic Range	-50dBm~+26dBm		-50dBm~+26dBm
Uncertainty	≤±0.5		
Display Resolution	0.1		
Probe Type	InGaAs		
Threshold Group	10 Group		
Data Storage	10 Strip		
Optical Connector	FC/SC		
VFL(Optional)			
Wavelength	650nm±20nm		
Output Power	≥10mW		
Mode	CW/1Hz/2Hz		
Optical Connector	Universal Joint FC/SC/ST		
Others			
Screen	Segment code screen		
Data Interface	Micro USB		
Power Supply	3AA batteries/Rechargeable version: Lithium polymer battery： 3.7V, 2500mAh		
Operating Temperature	-10°C~+50°C		
Storage Temperature	-40°C~+70°C		
Relative Humidity	0~95% No condensation		
Size	186mm×100mm×50mm		
Weight	240g		


1577nm
1490nm
1×n
Splitter
Actual optical power:1490:-23dBm, 1577:-0.32dBm
Ordinary OPM
Ordinary OPM measurement results:
1490:-0.32dBm or so
1577:-0.32dBm or so
10G demultiplexer powermeter measurement results:
1490:-23dBm or so±0.5
1577:-0.32dBm or so±0.5


1577nm
1490nm
1×n
Splitter
Actual optical power:1490:-23dBm, 1577:-23dBm
Ordinary OPM
Ordinary OPM measurement results:
1490:-20dBm or so
1577:-20dBm or so
10G demultiplexer powermeter measurement results:
1490:-23dBm or so±0.5
1577:-23dBm or so±0.5

HONSERV
HSV-200P

OPTICAL POWER METER WITH VFL



- Comfortable LCD with freely switchable backlight, supporting night
- 6 preset calibrated wavelengths (850/1300/1310/1490/1550/1625nm) with wavelength memory;
- Compatible with FC/SC connectors (ST/LC optional) for diverse fiber scenarios;
- High precision (<±3% @ -10dBm, 22℃) and 0.01dBm display resolution (log mode)
- Lithium battery-powered, more than 120 hours continuous work.

Product Highlights

- Comfortable LCD with freely switchable backlight, supporting night operation;
- 6 preset calibrated wavelengths(850/1300/1310/1490/1550/1625nm) with wavelength memory;
- Compatible with FC/SC connectors (ST/LC optional) for diverse fiber scenarios;
- High precision (<±3% @ -10dBm, 22℃) and 0.01dBm display resolution (log mode);
- Lithium battery-powered, more than 120 hours continuous work

Product Overview

This optical power meter series is a compact and an easy-to-use testing instrument for optical fiber networks, which can be used for absolute optical power measurements as well as for relative loss measurements in optical fibers. It has features of ingenious appearance, wide range of power measurement, high accuracy with high performance-to-price ratio

Specifications

Wavelength(nm)	800~1700nm	
Detector	InGaAs	
Measurement Range (dBm)	-70~+10 dBm	-50~+26
Test precision	<±3% (-10dBm、22℃)	
Calibrated Wavelength(nm)	**850,1300,1310,1490,1550,1625**	
Display magnification	Linear Display:0.1%， Logarithmic display:0.01dBm	
Optical Connector	FC、SC(ST LC optional)	
Power Supply	Lithium Battery	
Continuous work hours	120h	
Auto power off time	10min	
Operating Temperature(℃)	-10 ~ +50	
Storage Temperature(℃)	-20 ~ +70	
Relative Humidity	90%(+30℃)	
Dimension(mm)	130×63×29mm	
Weight(g)	180	
VFL(optional)	Wavelength: 650nm， Power: 1/10/20/30/50mw Optional, Output: 0HZ、2HZ	

TEKCN

TEKCN
TC-100

OPTICAL POWER METER



- Comfortable LCD display and optional backlight LCD display supports night operation
- Power measurements in dBm or mw & insertion in dB
- Reference power level storage (Ref Setting)
- 10 minutes auto-off function can be activated or deactivated
- Low batttery consumption, more than 240 hours continual operation time with three 1.5 alkaline batteries

Detailed View:







Description

Optical power meters are available as stand-alone bench or handheld instruments or combined with other test functions such as an Optical Light Source (OLS), Visual Fault Locator (VFL), or as sub-system in a larger or modular instrument. Commonly, a power meter on its own is used to measure absolute optical power, or used with a matched light source to measure loss. Testing fiber optic connections required a fiber optic power meter and fiber optic light source. These two pieces of equipment were carried side-by-side and used together to verify a fiber optic connection was working.

HIGHLIGHTS

- Quick response, High sensitivity, large dynamic range
- Large LCD display with backlight
- Soft rubber protective cover
- Low battery indicator function
- Automatic shutdown function, 10 minute automatic shutdown
- New user automatic calibration function
- Supports 850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm, 6 calibration wavelengths, suitable for various testing environments

Specifications

Power measurement range (dBm)	-70~+10 or -50~+26
Wavelength measurement range	800-1700
Calibrate wavelength (nm)	850, 1300, 1310, 1490, 1550, 1625
Probe type	InGaAs
Measurement accuracy	＜±3% (-10dBm, 22℃)
Operation temperature	-10~+50
Storage temperature	-20~+70
Power supply	3A battery
Continuous working hours	120 hours
Size	130*63*29mm

TEKCN

TEKCN
TC-102

OPTICAL LIGHT SOURCE



- Tone generation, 270HZ,1KHZ, 2KHZ
- Output power value is shown on LCD display
- Intelligent backlight control
- AA Alkaline for power supply
- Low battery indication

Detailed View:







Description

Optical light source (OLS) is a low-cost way to analyze and identify accurate fiber optic readings, while certifying optical fiber. Receive the ability to measure fiber optic light continuity, loss, and quality of the signal.
TEKCN TC-102 Optical Light Source is one of the latest self developed test instrument. It provide 1310/1550nm wavelength for the single mode fiber. Together with our TEKCN TC-100 optical power meter, it acts as a perfect solution for the fiber optic network work.

HIGHLIGHTS

- 1310/1550nm stable light source
- Large LCD display with backlight
- 1310/1550nm single mode and 850/1300nm multi-mode for selecting.
- 3 modulation frequencies: 270Hz, 1KHz, 2KHz
- Soft rubber protective cover
- Low battery indicator function
- Automatic shutdown function, 10 minute automatic shutdown
- Can provide calibration for optical power meters and optical attenuators
- Using highly stable lasers to provide high stability output power

Specifications

Output wavelength	1310/1550nm or 850/1300nm
Output power	＞-7dBm
Laser type	LD
Spectral width	5nm
Short time stability	0.01dB@5minutes
Long time stability	0.1dB@24minutes
Connector type	PC/PC
FIber Type	SM MM
Audio carrier	0Hz, 270Hz, 1KHz, 2KHz
Display information	Select wavelength, battery level, carrier state, output power, power status
Automatic shutdown	10 minute automatic shutdown
Power supply	3A battery
Continuous working hours	＞30 hours
Servo stabilization circuit	have
Operation sound prompt	have
Operation temperature	-10~+60
Storage temperature	-20~+70
Humidity	＜95%
Size	130*63*29mm

COMPTYCO

COMTYCO
AUA-G710A

OPTICAL POWER METER



- 10 wavelengths available: 850/1270/1310/1550/1625/1650 /980/1300/1490/1577nm.
- 2.5mm universal interface. Wide application range.
- Automatic shutdown function after 10 minutes to save energy
- With 500 groups of data storage. Save and view at anytime.

Detailed View:







Specifications

Power measurement range	–70 ~ +10dbm
Probe type	InGaAs
Wavelength range	800 ~ 1700nm
Standard Wavelength (NM)	850、980、1270 , 1300、1310、1490、1550、1577 , 1625 , 1650
Display resolution	LINEAR DISPLAY: 0.1% logarithmic display: 0.01 dbm
Operating temperature	–10 ~ +60℃
Storage temperature	–25 ~ +70℃
Automatic shutdown time (min)	Ten minutes
Battery Life	No less than 40 hours
Contour dimension (mm)	180 × 89 × 42
Power supply	Rechargeable lithium battery or 2 No. 5 Alkaline Batteries



NOVKER
NK308

NovKer®

10G WAVELENGTH DIVISION OPTICAL POWER METER



- Automatic wavelength recognition
- Support RF1550nm wavelength power measurement
- Support simultaneous display of linear mW and nonlinear dBm
- Measurement of power of divided wave laser
- Charging with portable battery

Product Features

- Compact appearance & Easy to carry
- Ultra low power consumption: 72h working time
- Wavelength division test
- Automatic identify the wavelength being tested
- USB Interface
- Portable battery charging
- Environmental adaptability -10°C~+50°C

Product Overview

NK308 series OPM with separated wavelengths are mainly used for the installation, test and maintenance of FTTH Opti- cal Access Network. When there are multiple wavelengths of optical signals in an optical fiber, the traditional OPM can not identify the wavelength. Different from the traditional OPM, this series can identify the wavelength and give the power value of each wavelength in the fiber at the same time.
It is mainly used for the power measurement of the down- link signal 1490nm, 1577nm and 1550nm in 10GEPON/XG- PON and RF network, so that the installation and mainte- nance personnel can truly grasp the power value of the single wavelength optical signal and accurately judge whether the optical power value meets the standard.

Technical Specifications

10G PON OPM			
Application scenarios	GPON/EPON	10GEPON/XGPON	RF
Wavelength	1490nm	1577nm	1550nm
Isolation	>35dB	>35dB	>35dB
Measuring range	-40dBm~+10dBm	-40dBm~+10dBm	-40dBm~+26dBm
Uncertainty	±0.5dB		
Connector	FC/UPC (APC optional)		
Detector type	InGaAs		
Display resolution	Linear display: 0.1% Logarithmic display: 0.01dBm		
Others			
Power Supply	3 AA batteries/Rechargeable lithium battery，2400mAh(optional)		
Automatic shutdown time	10min		
Battery duration	72h (OPM)		
Working temperature	-10°C~+50°C		
Storage temperature	-40°C~+70°C		
Relative humidity	0~95% No condensation		
Dimension	186mmx100mmx50mm		
Weight	240g		

Ordering Information

Type	Function description	Remarks
NK308-D	Single ended/Serial insertion, dry battery	Single ended insertion: No need to interrupt PON network, single end test; Serial insertion : PON network needs to be interrupted for serial access test.
NK308-L	Single ended/Serial insertion, lithium battery	

Configuration List

NO.	Name	Quantity	Remarks
1	Host	1	
2	User' s manual	1	
3	AA battery	3	Dry battery selected
4	Lithium battery	1	Li-battery selected

NO.	Name	Quantity	Remarks
5	Data line	1	Li-battery selected
6	FC / UPC to SC / UPC jumper	2	
7	Qualification Certificate Service Guarantee Card	1	
8	Backpack	1	

TARTEL
TELECOM SUPPLIES TRADING

LAUNCH CABLES



SC/APC-SC/APC OTDR LAUNCH CABLE

- Loss less than or equal to 0.5dBm/km
- Excellent sealing performance
- Waterproof, antifouling and explosion proof
- Help to make a more precise measurement with an OTDR





Robust Metal Retracter



Built-in Cable Management



Auto Purge Valve

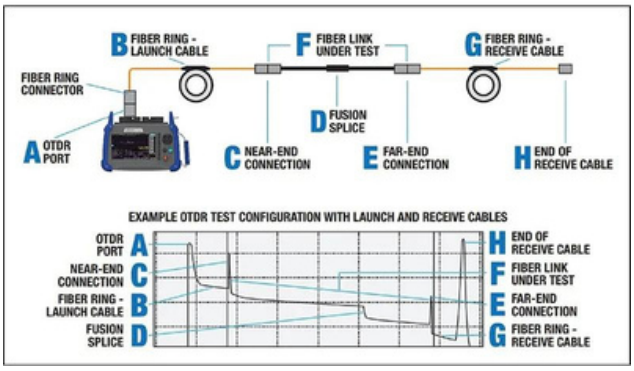
PRODUCT DESCRIPTION

- OTDR Launch Cable is mainly used to make up the dead zone of OTDR test.
- There are no fusion joints in the center of optical fiber, small size, light weight and easy to carry.
- The loss is less than or equal to 0.5dBm/km.
- It has excellent sealing performance.
- Come with a plastic box to easily store the OTDR launch cable.

It has excellent sealing performance



Why you need an OTDR Launch Cable?



Product Parameters



Product Packaging



SC/UPC-SC/UPC OTDR LAUNCH CABLE

- Loss less than or equal to 0.5dBm/km
- Excellent sealing performance
- Waterproof, antifouling and explosion proof
- Help to make a more precise measurement with an OTDR





Robust Metal Retracter



Built-in Cable Management



Auto Purge Valve

PRODUCT DESCRIPTION

An OTDR launch cable, which connects the OTDR to the link-under-test, discloses the insertion loss and reflectance of the near-end connection. It is often available on a small spool or within a “launch box”, which is used to create the proper conditions for testing another similar optical fiber for faults. This method avoids undesirable variations in loss and distance measurements. A launch fiber will help to overcome the blind spot or Dead Zone of an OTDR brought about by high launch power or faults near the launch end of the fiber.

FEATURES

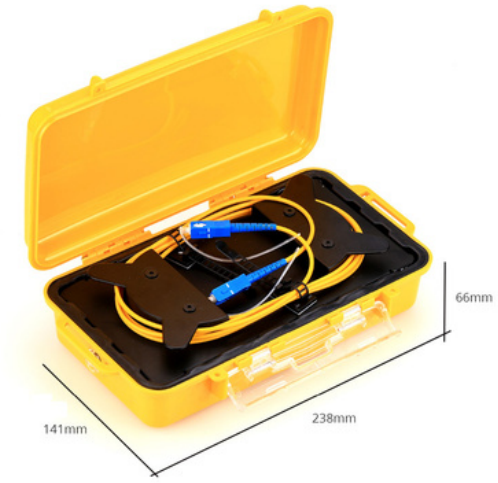
Fiber Optic OTDR Launch Cable Box

- Place the necessary length of fiber between the OTDR and the fiber-under-test
- Help to make a more precise measurement with an OTDR
- Discloses the insertion loss and reflectance of the near-end connection

PRODUCT DETAILS



PARAMETERS



LC/APC-LC/APC OTDR LAUNCH CABLE

- Loss less than or equal to 0.5dBm/km
- Excellent sealing performance
- Waterproof, antifouling and explosion proof
- Help to make a more precise measurement with an OTDR





Cable Holder



LC/APC-LC/APC Joint



Wire binding buckle

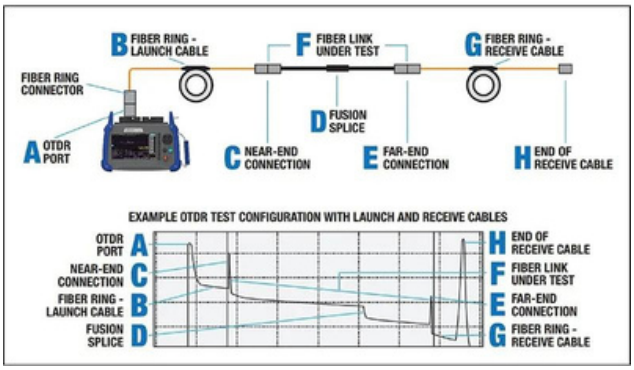
PRODUCT DESCRIPTION

An OTDR launch cable, which connects the OTDR to the link-under-test, discloses the insertion loss and reflectance of the near-end connection. It is used to create the proper conditions for testing another similar optical fiber for faults. This method avoids undesirable variations in loss and distance measurements. A launch fiber will help to overcome the blind spot or Dead Zone of an OTDR brought about by high launch power or faults near the launch end of the fiber.

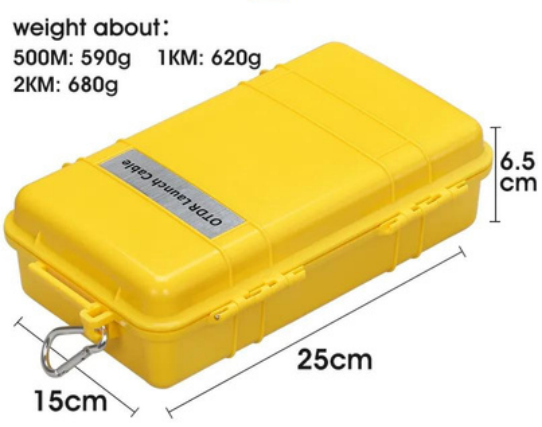
It has excellent sealing performance



Why you need an OTDR Launch Cable?



Product Parameters

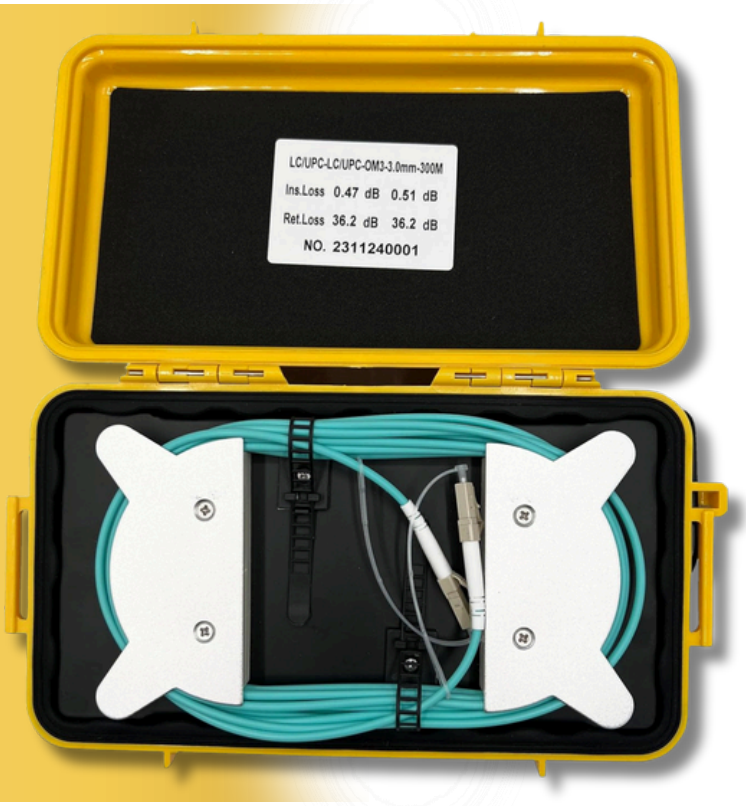


Product Packaging



LC/UPC-LC/UPC OM3
OTDR LAUNCH CABLE

- Auto Purge Valve for changes in altitude and temperature
- Case can house up to 5,000 meters of fiber
- Nonmetal construction will not dent, corrode, or conduce electricity
- Compound latch for positive seal and easy opening with locking feature





Color-Coded Cable Jacket For Easy Identification



Build a Stable and Robust Fiber Optic Network



Carrier-grade Cable Ensures Transmission Quality

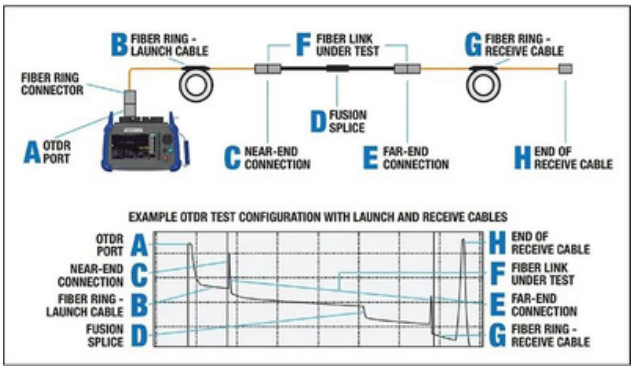
PRODUCT DESCRIPTION

- OTDR LC/UPC Multimode OM3 Fiber Optic Launch Cable Box, 300 Meters.
- OTDR Launch Cable – OTDR Multimode Fiber Optic Cable Test Tool OM2/OM3/OM4/OM5.
- OTDR LC/UPC-LC/UPC OTDR Fiber Optic Launch Cable Box Multimode Fiber Ring with OTDR Extension Cord.
- There are no fusion joints in the center of the optical fiber, small in size, lightweight and easy to carry.
- OTDR launch cable is mainly used to make up the blind area of OTDR test. It can be applied to fiber optic communication systems, fiber optic data transmission, fiber optic CATV, local area network (LAN), fiber optic sensors, etc.

It has excellent sealing performance



Why you need an OTDR Launch Cable?



Product Parameters



Product Packaging



SC/UPC-LC/UPC OTDR LAUNCH CABLE

- Loss less than or equal to 0.5dBm/km
- Excellent sealing performance
- Waterproof, antifouling and explosion proof
- Help to make a more precise measurement with an OTDR





Robust Metal Retracter



Built-in Cable Management



Auto Purge Valve

PRODUCT DESCRIPTION

- OTDR Launch Cable is mainly used to make up the dead zone of OTDR test.
- There are no fusion joints in the center of optical fiber, small size, light weight and easy to carry.
- The loss is less than or equal to 0.5dBm/km.
- It has excellent sealing performance.
- Come with a plastic box to easily store the OTDR launch cable.

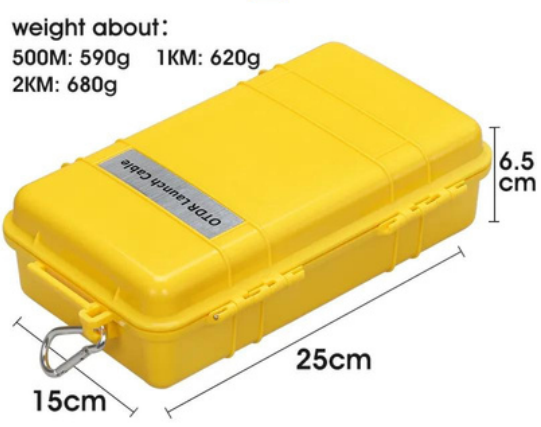
It has excellent sealing performance



DETAIL DISPLAY

- Cable Holder
- Wire Binding Buckle
- SC/UPC-LC/UPC Joint
- Portable Hook

Product Parameters



Product Packaging



SC/APC-SC/UPC OTDR LAUNCH CABLE

- Test Standard
- Be easy to carry about
- Waterproof, antifouling and explosion proof
- Excellent Sealing





Cable Holder



SC/APC-SC/UPC Joint



Wire binding buckle

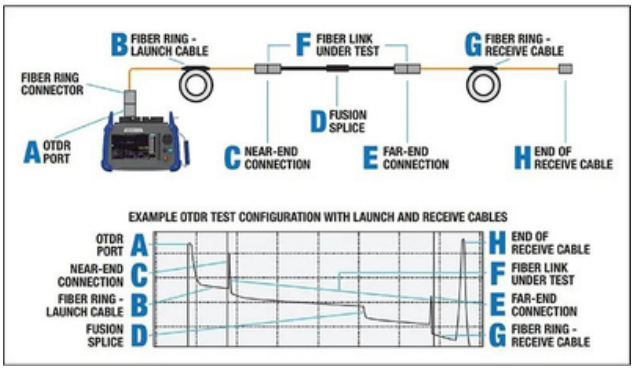
PRODUCT DESCRIPTION

OTDR optical fiber launch cable is used to measure the loss and reflectivity of the proximal connection and the remote non-corrupt insertion of the optical fiber line using OTDR, to help minimize the effects of the OTDR's launch pulse on measurement uncertainty. Each OTDR launch cable can be used as an OTDR transmitting and receiving cable, both of which were necessary to eliminate blind spots when measuring the complete line loss of the optical fiber with OTDR.
OTDR launch cable adopts coiled design, easy to carry, compact and light. Available in different configurations and fiber lengths, very suitable for short, medium, long distance fiber network test applications

It has excellent sealing performance



Why you need an OTDR Launch Cable?



Product Parameters



Product Packaging



SC/APC-FC/UPC OTDR LAUNCH CABLE

- Test Standard
- Be easy to carry about
- Waterproof, antifouling and explosion proof
- Excellent Sealing





Cable Holder



SC/APC-FC/UPC Joint



Wire binding buckle

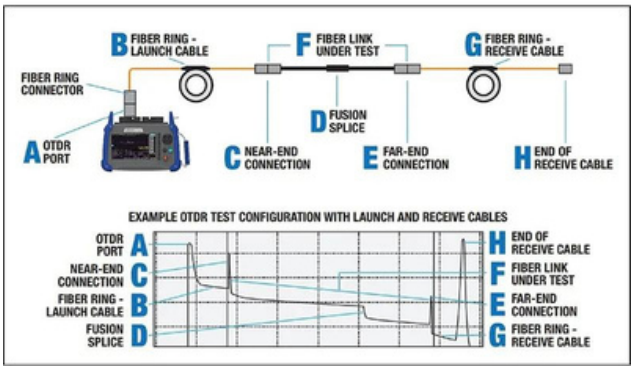
PRODUCT DESCRIPTION

OTDR optical fiber launch cable is used to measure the loss and reflectivity of the proximal connection and the remote non-corrupt insertion of the optical fiber line using OTDR, to help minimize the effects of the OTDR's launch pulse on measurement uncertainty. Each OTDR launch cable can be used as an OTDR transmitting and receiving cable, both of which were necessary to eliminate blind spots when measuring the complete line loss of the optical fiber with OTDR.
OTDR launch cable adopts coiled design, easy to carry, compact and light. Available in different configurations and fiber lengths, very suitable for short, medium, long distance fiber network test applications

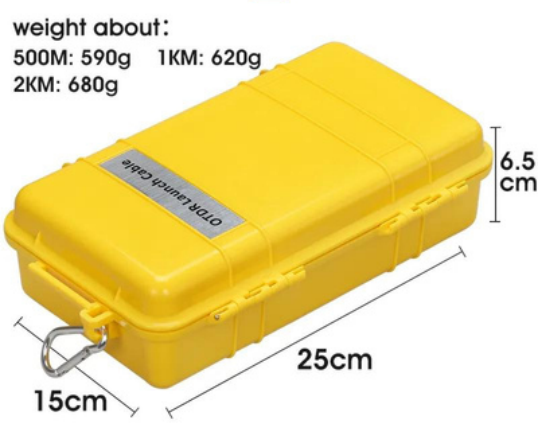
It has excellent sealing performance



Why you need an OTDR Launch Cable?



Product Parameters



Product Packaging



SC/UPC-LC/APC OTDR LAUNCH CABLE

- Test Standard
- Be easy to carry about
- Waterproof, antifouling and explosion proof
- Excellent Sealing





Cable Holder



SC/UPC-LC/APC Joint



Wire binding buckle

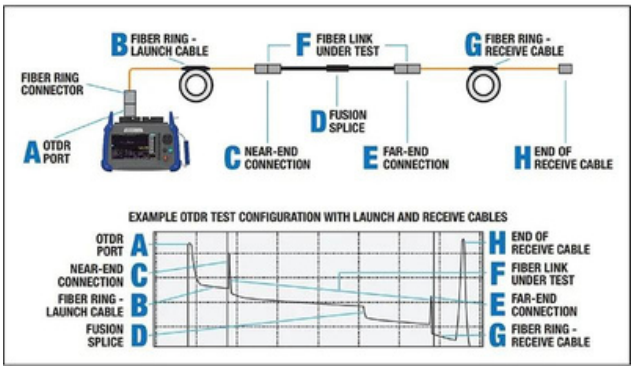
PRODUCT DESCRIPTION

OTDR optical fiber launch cable is used to measure the loss and reflectivity of the proximal connection and the remote non-corrupt insertion of the optical fiber line using OTDR, to help minimize the effects of the OTDR's launch pulse on measurement uncertainty. Each OTDR launch cable can be used as an OTDR transmitting and receiving cable, both of which were necessary to eliminate blind spots when measuring the complete line loss of the optical fiber with OTDR.
OTDR launch cable adopts coiled design, easy to carry, compact and light. Available in different configurations and fiber lengths, very suitable for short, medium, long distance fiber network test applications

It has excellent sealing performance



Why you need an OTDR Launch Cable?



Product Parameters



Product Packaging



TARATEL
TELECOM SUPPLIES TRADING

PATCHCORDS & PIGTAILS

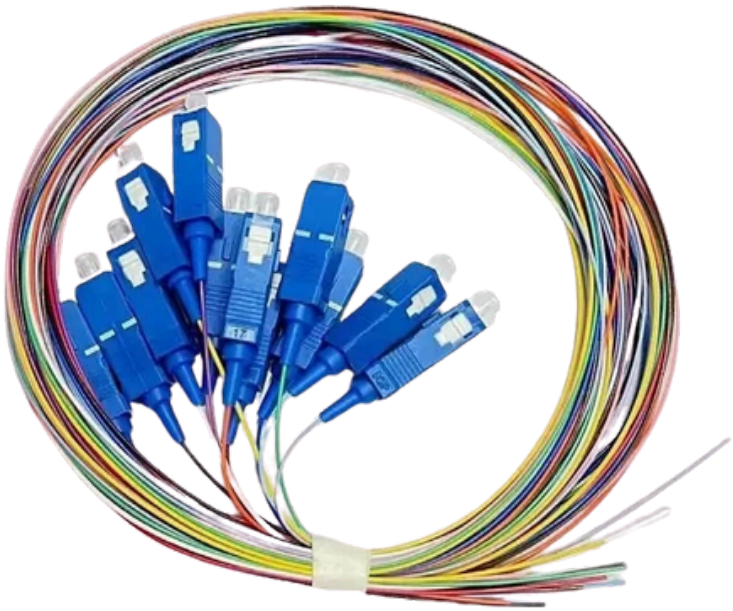


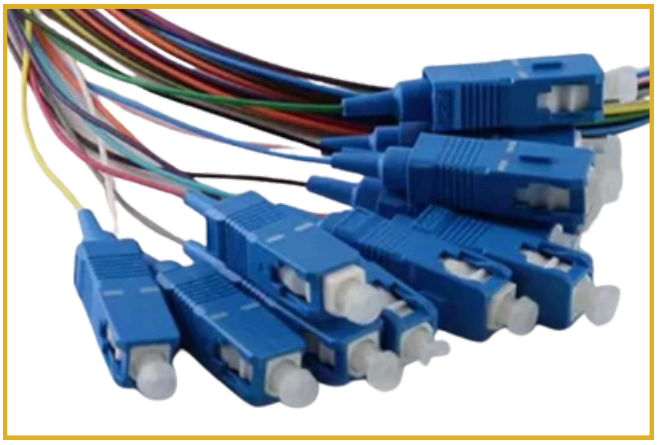
SC/UPC 12 COLOR FIBER OPTIC PIGTAIL



FEATURES:

- Unique advantage: Test equipment and active device termination.
- Meticulous workmanship: Insert-pull, key-oriented coupling mechanism which allows highly repeatable, low-loss connection.
- Professional design: Simplex, duplex and multi-core accessories, apply in the standard and specific structure.

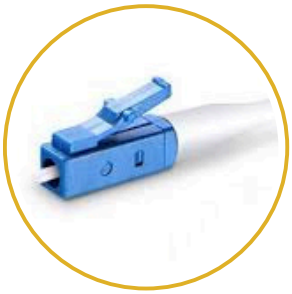




SPECIFICATIONS:

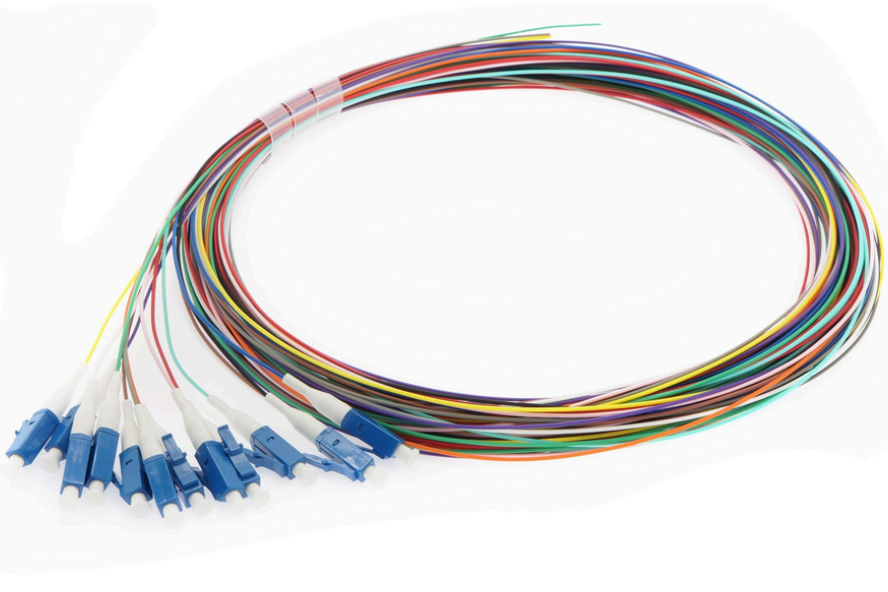
Color: multicolor
Material: PVC
Working wavelength: 850nm
Pigtail length: 1.5m
Minimum bending radius: 3.5cm
Plug: ceramic ferrule
Tensile strength: 45kg
Light attenuation: <1 dB
Length: 1.5m

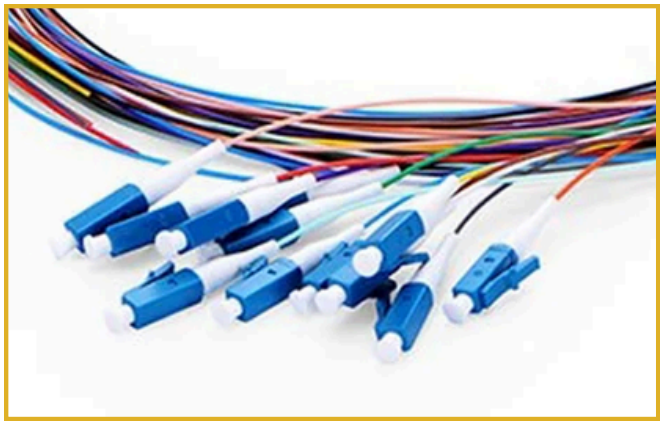
LC/UPC 12 COLOR FIBER OPTIC PIGTAIL



FEATURES:

- 12 Fiber non-jacketed singlemode multicolor pigtails ideal for fusion splicing
- Low insertion loss & Low back reflection loss
- Ideal for telecommunication networks
- Connector Type LC-LC Singlemode





SPECIFICATIONS:

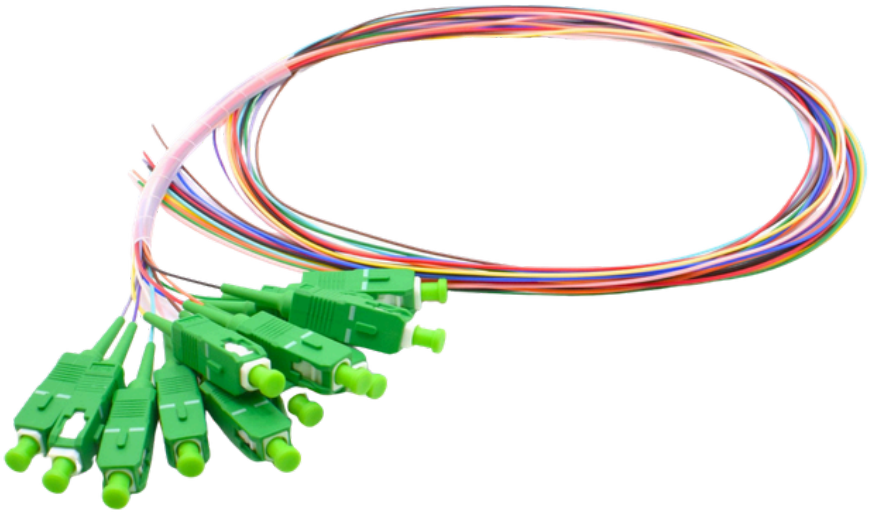
Color: multicolor
Pigtail length: 1.0m
Plug: ceramic ferrule
Insertion Loss: ≤0.3dB
Return Loss: ≥50dB

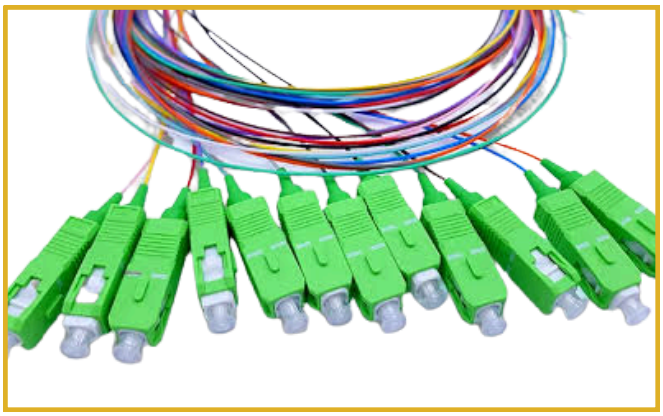
SC/APC 12 COLOR FIBER OPTIC PIGTAIL



FEATURES:

- 12 Fiber non-jacketed singlemode multicolor pigtails ideal for fusion splicing
- Low insertion loss & Low back reflection loss
- Ideal for telecommunication networks
- Connector Type LC-LC Singlemode

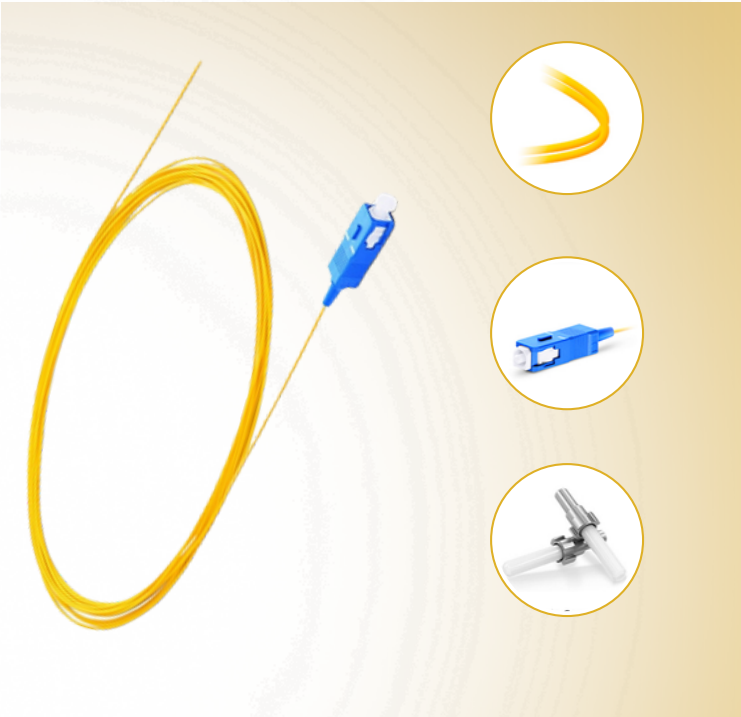




SPECIFICATIONS:

Color: multicolor
Pigtail length: 1.5m
Plug: ceramic ferrule
Insertion Loss: ≤0.3dB
Return Loss: ≥50dB

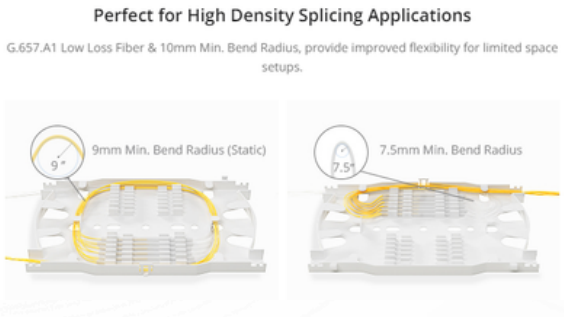
SC/UPC PIGTAIL 1M
SIMPLEX SM



- PVC Flame-retardant Fiber Optic Cable with Tight-buffered Coating on Each Optical Fiber
- G.657.A1 Bend Insensitive Fiber & 10mm Min. Bend Radius
- Optical Testing Guarantees Insertion Loss and Returns Loss
- Pass All IEC-61754 and TIA-604 (FOCIS) Performance Requirements
- Support Both Fusion and Mechanical Splicing for Fiber Cabling Systems

CONNECTIVITY SOLUTIONS



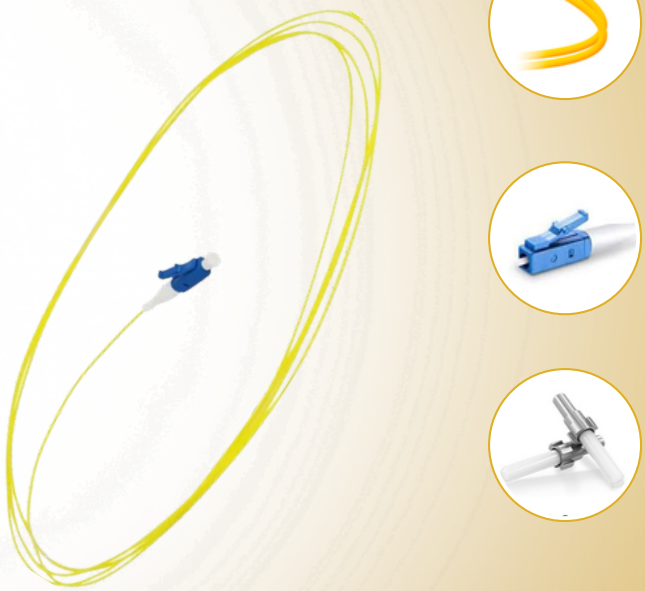


SPECIFICATIONS

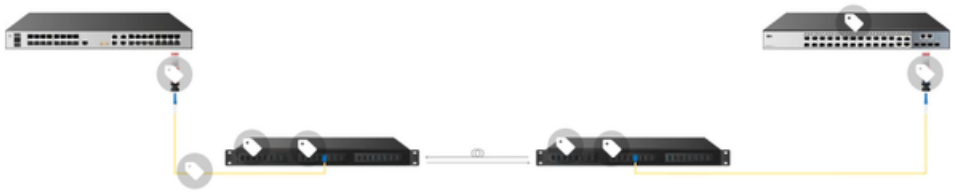
Connector A	SC	Connector B	Unterminated
Fiber Mode	9/125 μm	Fiber Count	Simplex
Fiber Grade	G.657.A1	Minimum Bend Radius	10 mm
Polish Type	UPC	Cable Diameter	0.9 mm
Cable Jacket	PVC	Jacket Color	Yellow
Wavelength	1310 nm/1550 nm	Durability	500 Times
Insertion Loss	≤0.3 dB	Interchangeability	≤0.2 dB
Return Loss	≥50 dB	Vibration	≤0.2 dB
Operating Temperature	-40~75°C	Storage Temperature	-45~85°C

LC/UPC PIGTAIL 1M
SIMPLEX SM

- PVC Flame-retardant Fiber Optic Cable with Tight-buffered Coating on Each Optical Fiber
- G.657.A1 Bend Insensitive Fiber & 10mm Min. Bend Radius
- Optical Testing Guarantees Insertion Loss and Returns Loss
- Pass All IEC-61754 and TIA-604 (FOCIS) Performance Requirements
- Support Both Fusion and Mechanical Splicing for Fiber Cabling Systems



CONNECTIVITY SOLUTIONS

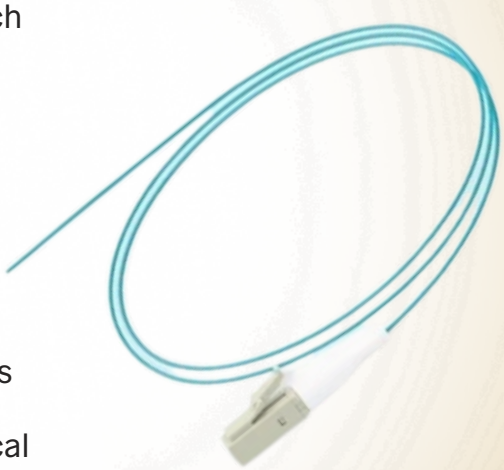


SPECIFICATIONS

Connector A	LC	Connector B	Unterminated
Fiber Mode	9/125 µm	Fiber Count	Simplex
Fiber Grade	G.657.A1	Minimum Bend Radius	10 mm
Polish Type	UPC	Cable Diameter	0.9 mm
Cable Jacket	PVC	Jacket Color	Yellow
Wavelength	1310 nm/1550 nm	Durability	500 Times
Insertion Loss	≤0.3 dB	Interchangeability	≤0.2 dB
Return Loss	≥50 dB	Vibration	≤0.2 dB
Operating Temperature	-40~75°C	Storage Temperature	-45~85°C

OM3 LC PIGTAIL-1M (SX/MM)

- PVC Flame-retardant Fiber Optic Cable with Tight-buffered Coating on Each Optical Fiber
- G.657.A1 Bend Insensitive Fiber & 10mm Min. Bend Radius
- Optical Testing Guarantees Insertion Loss and Returns Loss
- Pass All IEC-61754 and TIA-604 (FOCIS) Performance Requirements
- Support Both Fusion and Mechanical Splicing for Fiber Cabling Systems

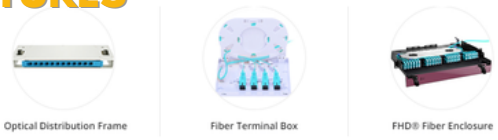


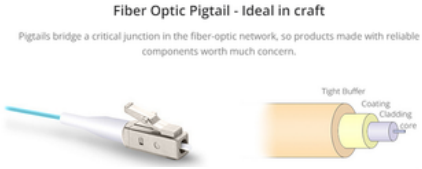


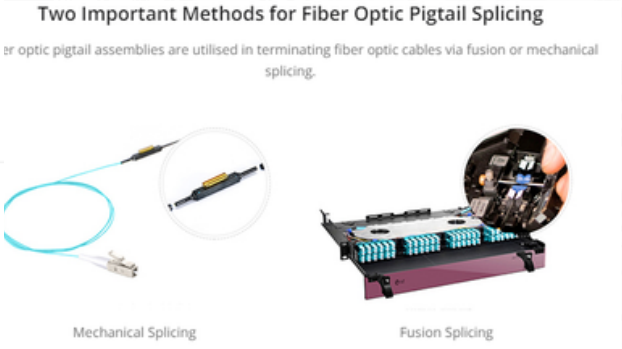




FEATURES







SPECIFICATIONS

Connector Type	LC/SC/FC/ST/LSH	Polish Type	UPC
Fiber Mode	OM3	Wavelength	850/1300 nm
Fiber Count	Simplex	Cable Jacket	PVC/LSZH/OFNP
Fiber Grade	Bend Insensitive	Minimum Bend Radius	7.5 mm
Cable Diameter	0.9/2.0 mm	Jacket Color	Aqua
Insertion Loss	≤0.3 dB	Return Loss	≥20 dB
Attenuation at 850nm	3.0 dB/km	Attenuation at 1300nm	1.0 dB/km
Operating Temperature	-40~75°C	Storage Temperature	-45~85°C

OM4 LC PIGTAIL - 1M (SX/MM)

- Simplex Configuration
- LC Connector
- OM$ 50/125µm fiber glass
- Riser Rated
- Available in lengths of 1 to 10 meters









DESCRIPTION

When it comes to fusion splicing and other applications, the OM4 Multimode LC Fiber Optic Pigtail is your best bet. With the multimode performance that the LC connector has come to be known for, you can be sure that your tasks will be completed with stability and accuracy. This is thanks, in part, to the LC connector's PC finish, which helps keep reflection loss at a minimum. On the opposite end from the connector of this LC pigtail is an exposed fiber.

SPECIFICATIONS

Optical Characteristics		50/125 OM4
Maximum Finished Cable Attenuation Coefficient	@850nm	3.0 dB/km
	@1300nm	1.0 dB/km
Overfill Launch Bandwidth	@850nm	1500 MHz.km
	@1300nm	500 MHz.km
Laser Bandwidth	@850	4700 MHz.km
Gigabit Ethernet Link Length (1 Gbps)	1000 BASE-SX (850nm)	1100 Meters
	1000 BASE-SX (1300nm)	550 Meters
Gigabit Ethernet Link Length (10 Gbps)	1000 BASE-SX (1300nm)	550 Meters

The LC pigtail in OM4 multimode configuration enables you to achieve data transfers over a 50/125 micron glass fiber 1Gbps link a distance of up to 1100 meters at a wavelength of 850nm, and a distance of up to 550 meters at 1300nm. For a 10Gbps link, you can transfer data a distance of up to 550 meters at 850nm.
Choose from a selection of 12 colors, including blue, orange, green, brown, slate, white, red, black, yellow, violet, rose, and aqua.
All of our fiber optic pigtails are tested to ensure quality and performance that meet industry standards, and the test results for each pigtail are included with your purchase.

SC/APC TO SC/APC - 2M (SX/SM)

- Test Standard
- Be easy to carry about
- Waterproof, antifouling and explosion proof
- Excellent Sealing





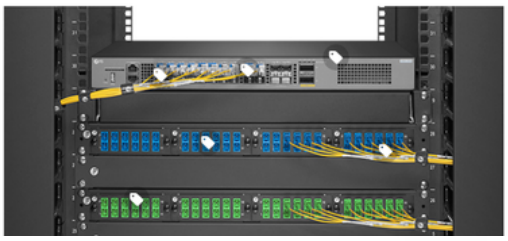




FEATURES

Carrier-grade Cable Ensures Transmission Quality

Superior cable assemblies reduce light loss and easily meet your diverse cabling requirements.

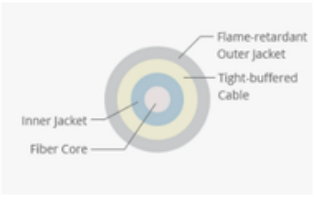


Build a Stable and Robust Fiber Optic Network

High-quality tight-buffered cable protects the fiber optic core, and increases the strength and durability of the fiber.



Structural diagram



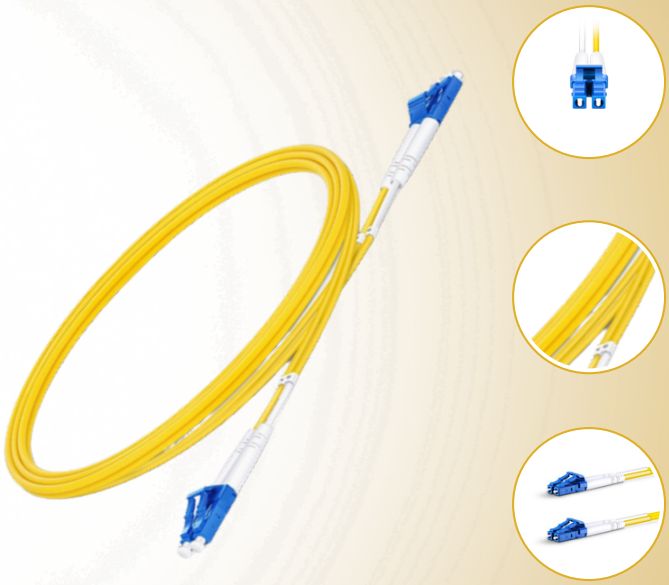
Cross-section diagram

SPECIFICATIONS

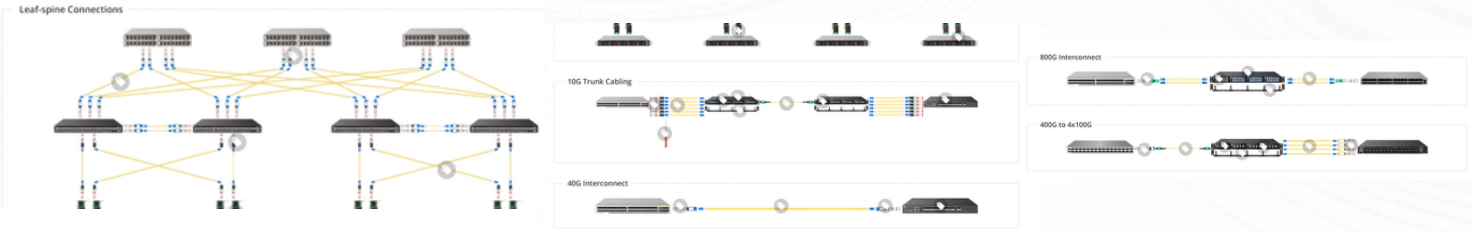
Connector	SC to SC	Polish	APC to APC
Fiber Mode	OS2 9/125μm SM	Jacket OD	2.0mm
Fiber type	Simplex	Wavelength	1310/1550nm
Cable Length	1m	Jacket Color	Yellow
Cable Jacket	PVC	Repeatability	<=0.1dB
Insertion Loss	<=0.3dB	Durability	<=0.2dB(1000 Times mating)
Return Loss	>=50dB	Operate Temperature	-40~75°C

LC TO LC (DX/SM)
FIBER PATCH CORD

- Fiber Patch cable applications, SFP and backplane applications.
- Zipcord Fiber Patch Cords also can be used for desktop connections.
- Jacketed fiber is enclosed, with a bundle of flexible fibrous polymer strength members.
- Fiber Patch cable applications, SFP and backplane applications.



CONNECTIVITY SOLUTIONS



SPECIFICATIONS

Connector Type	LC UPC to LC UPC	Fiber Grade	G.657.A1 (Compatible with G.652.D)
Fiber Mode	OS2 9/125µm	Wavelength	1310/1550nm
Insertion Loss	≤0.3dB	Return Loss	≥50dB
Min. Bend Radius (Fiber Core)	10mm	Min. Bend Radius (Fiber Cable)	10/5D (Dynamic/Static)
Attenuation at 1310 nm	0.36dB/km	Attenuation at 1550 nm	0.22dB/km
Fiber Count	Duplex	Cable Diameter	2.0mm
Cable Jacket	Riser (OFNR)	Polarity	A (Tx) to B (Rx)
Operating Temperature	-20 to 70°C (-4 to 158°F)	Storage Temperature	-40 to 80°C (-40 to 176°F)

OM4 LC TO LC (DX/MM)

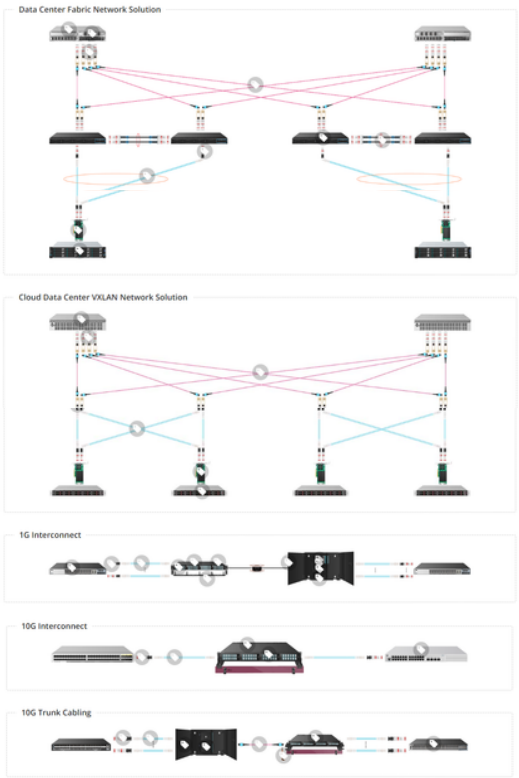
- Laser optimized MMF for up to 1GB or 10GB speeds to 400m and 40GB, 100GB speeds to 150m
- Fully compliant bend insensitive aramid yarn
- 1.25mm superior grade LC zirconia ceramic ferrules
- Corning® glass, ultra-bendable, laser optimized core and cladding
- UL Listed, IEC Certified, ANSI/TIA 568.3-E Compliant IEC 61300-3-35



SPECIFICATIONS

Connector Type	LC UPC to LC UPC
Fiber Mode	OM4 50/125µm
40G Ethernet Distance	150m at 850nm
Insertion Loss	≤0.3dB
Min. Bend Radius (Fiber Core)	7.5mm
Attenuation at 850nm	3.0dB/km
Fiber Count	Duplex
Cable Jacket	Riser (OFNR)
Operating Temperature	-20 to 70°C (-4 to 158°F)
Fiber Grade	Bend Insensitive
Wavelength	850/1300nm
100G Ethernet Distance	100m at 850nm
Return Loss	≥30dB
Min. Bend Radius (Fiber Cable)	20/10D (Dynamic/Static)
Attenuation at 1300nm	1.0dB/km
Cable Diameter	2.0mm
Polarity	A (Tx) to B (Rx)
Storage Temperature	-40 to 80°C (-40 to 176°F)

CONNECTIVITY SOLUTIONS

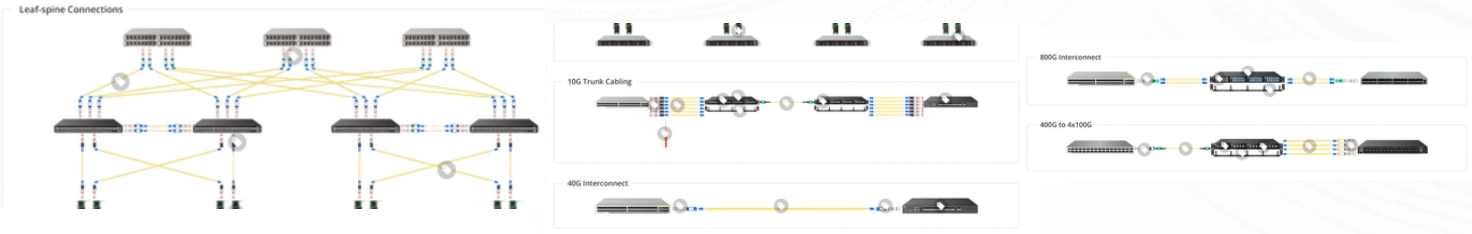


OM3 LC TO LC (DX/MM)

- Bend Insensitive Fiber & 7.5mm Min. Bend Radius
- Precision Zirconia Ferrule Connectors Ensure Low Loss
- Riser (OFNR) Jacket for Vertical and Floor-to-floor Installations
- Color-Coded Cable Jacket for Easy Identification
- Zipcord Reinforced Fiber and Reduces Crimping Risk



CONNECTIVITY SOLUTIONS



SPECIFICATIONS

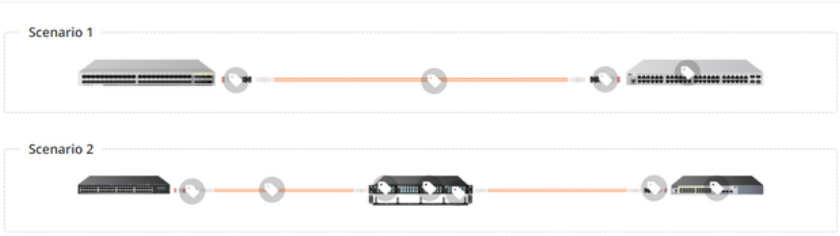
Connector Type	LC UPC to LC UPC	Fiber Grade	Bend Insensitive
Fiber Count	Duplex	Fiber Mode	OM3 50/125μm
Wavelength	850/1300nm	10G Ethernet Distance	300m at 850nm
Insertion Loss	≤0.3dB	Return Loss	≥30dB
Min. Bend Radius (Fiber Core)	7.5mm	Min. Bend Radius (Fiber Cable)	20/10D (Dynamic/Static)
Attenuation at 850nm	3.0dB/km	Attenuation at 1300nm	1.0dB/km
Cable Jacket	Riser (OFNR)	Cable Diameter	2.0mm
Polarity	A (Tx) to B (Rx)	Operating/Storage Temperature	Operating: -20 to 70°C (-4 to 158°F) Storage: -40 to 80°C (-40 to 176°F)

OM2 LC TO LC (DX/MM)

- Bend Insensitive Fiber & 7.5mm Min. Bend Radius
- Precision Zirconia Ferrule Connectors Ensure Low Loss
- Riser (OFNR) Jacket for Vertical and Floor-to-floor Installations
- Color-Coded Cable Jacket for Easy Identification
- Zipcord Reinforced Fiber and Reduces Crimping Risk



Connectivity Solutions



SPECIFICATIONS

Connector Type	LC UPC to LC UPC	Fiber Grade	Bend Insensitive
Fiber Count	Duplex	Fiber Mode	OM2 50/125μm
Wavelength	850/1300nm	1G Ethernet Distance	550m at 850nm
Insertion Loss	≤0.3dB	Return Loss	≥30dB
Min. Bend Radius (Fiber Core)	7.5mm	Min. Bend Radius (Fiber Cable)	20/10D (Dynamic/Static)
Attenuation at 850nm	3.0 dB/km	Attenuation at 1300nm	1.0 dB/km
Cable Jacket	Riser (OFNR)	Cable Diameter	2.0mm
Polarity	A (Tx) to B (Rx)	Operating Temperature	-20~70°C

SC TO FC (SX/SM) FIBER CABLE

- Low insertion loss and back reflaction loss
- Good Durability
- Good Exchangeability
- High Temperature Stability
- Compact Design
- Standard: Telcordia GR-326-CORE









Specifications:

- Insertion Loss: Typical≤ 0.2dB, Maximum≤0.3dB
- Return Loss:≥50dB (PC/UPC); ≥65dB (APC)
- Repeatability: ≤0.1
- Durability ≤0.2dB typical change, 1000 matings
- Interchangeability: ≤0.2dB
- Tensile Strength: >10kg
- Operating Temperature: -40~85°C

Applications:

- CATV / Metro
- Active Device Termination
- Telecommunication networks
- Local Area Networks (LANs)
- Data Processing Networks
- Test Equipment
- Premise Installations
- Wide Area Networks (WANs)

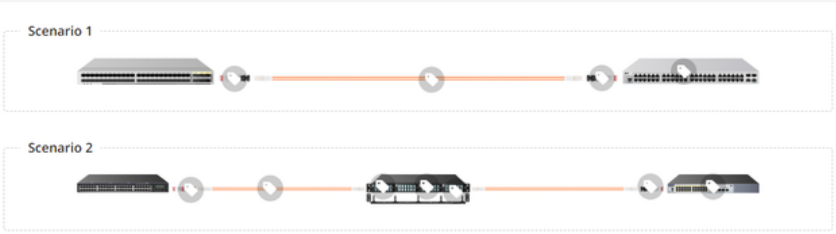
Connector	SC to FC	Polish	UPC to UPC
Fiber Mode	OS2 9/125μm SM	Jacket OD	2.0mm; 3.0mm
Fiber type	Simplex	Wavelength	1310/1550nm
Cable Length	1m	Jacket Color	Yellow
Cable Jacket	PVC or LSZH	Repeatability	<=0.1dB
Insertion Loss	<=0.3dB	Durability	<=0.2dB(1000 Times mating)
Return Loss	>=50dB	Operate Temperature	-40~75°C

OM2 LC PIGTAIL 1M (SX/MM)

- Riser (OFNR) Flame-retardant Jacket
- Precision Zirconia Ferrule Connectors Ensure Low Loss
- G.657.A1 Bend Insensitive FIber & 10 mm Min. Bend Radius
- Optical Testing Ensures Network Perfomance
- Compliant to TIA-604 (FOCIS)



CONNECTIVITY SOLUTIONS



SPECIFICATIONS

Connector Type	LC UPC to LC UPC	Fiber Grade	Bend Insensitive
Fiber Count	Duplex	Fiber Mode	OM2 50/125μm
Wavelength	850/1300nm	1G Ethernet Distance	550m at 850nm
Insertion Loss	≤0.3dB	Return Loss	≥30dB
Min. Bend Radius (Fiber Core)	7.5mm	Min. Bend Radius (Fiber Cable)	20/10D (Dynamic/Static)
Attenuation at 850nm	3.0 dB/km	Attenuation at 1300nm	1.0 dB/km
Cable Jacket	Riser (OFNR)	Cable Diameter	2.0mm
Polarity	A (Tx) to B (Rx)	Operating Temperature	-20~70°C

SC/UPC TO SC/APC-2M (SX/SM)

- Riser (OFNR) Flame-retardant Jacket
- Precision Zirconia Ferrule Connectors Ensure Low Loss
- Optical Testing Ensures Network Performance
- Compliant to TIA-604 (FOCIS)
- G.657.AI Bend Insensitive Fiber & 10mm Min. Bend Radius









SPECIFICATIONS

Connector Type	SC UPC to SC APC	Fiber Grade	G.657.A1 (Compatible with G.652.D)
Fiber Mode	OS2 9/125μm	Wavelength	1310/1550nm
Insertion Loss	≤0.3dB	Return Loss	UPC≥50dB, APC≥60dB
Min. Bend Radius (Fiber Core)	10mm	Min. Bend Radius (Fiber Cable)	10/5D (Dynamic/Static)
Attenuation at 1310 nm	0.36 dB/km	Attenuation at 1550 nm	0.22 dB/km
Fiber Count	Simplex	Cable Diameter	2.0mm
Cable Jacket	Riser (OFNR)	Polarity	A (Tx) to B (Rx)
Operating Temperature	-20 to 70°C (-4 to 158°F)	Storage Temperature	-40 to 80°C (-40 to 176°F)

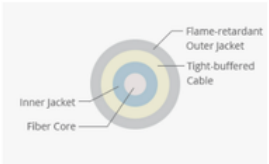
Features

Build a Stable and Robust Fiber Optic Network

High-quality tight-buffered cable protects the fiber optic core, and increases the strength and durability of the fiber.



Structural diagram



Cross-section diagram

Meet the Various Indoor Installation Needs

Ideal for network cabinet connection, ceiling wiring and under-floor wiring in the data center.



Ceiling Application



Floor Application



In-cabinet Application

SC TO LC FIBER PATCH CORD (DX/SM)

- Riser (OFNR) Flame-retardant Jacket
- Precision Zirconia Ferrule Connectors Ensure Low Loss
- Optical Testing Ensures Network Performance
- Compliant to TIA-604 (FOCIS)
- G.657.AI Bend Insensitive Fiber & 10mm Min. Bend Radius
- Duplex Zipcord Enhances Mechanical Performance and Reduces Crimping Risk





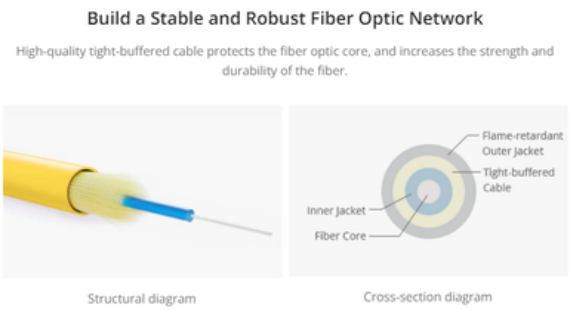




CONNECTIVITY SOLUTIONS



FEATURES



SPECIFICATIONS

Connector Type	LC UPC to SC UPC	Fiber Grade	G.657.A1 (Compatible with G.652.D)
Fiber Mode	OS2 9/125μm	Wavelength	1310/1550nm
Insertion Loss	≤0.3dB	Return Loss	≥50dB
Min. Bend Radius (Fiber Core)	10mm	Min. Bend Radius (Fiber Cable)	10/5D (Dynamic/Static)
Attenuation at 1310 nm	0.36 dB/km	Attenuation at 1550 nm	0.22 dB/km
Fiber Count	Duplex	Cable Diameter	2.0mm
Cable Jacket	Riser (OFNR)	Polarity	A (Tx) to B (Rx)
Operating Temperature	-20~70°C	Storage Temperature	-40~80°C



SC TO SC FIBER PATCH CORD (SX/SM)

- SC,SCA,LC,LCA,FC,FCA,ST,STA
- 3.0mm 2.0mm duplex simplex
- PVC Jacket
- Chinese Yarn
- Chinese Fiber
- Single-mode Cable: G652D
- Multi-mode Cable: OM3,OM4,OM5









SPECIFICATIONS

Type	SM/UPC	SM/APC	MM/UPC
Insertion Loss	≤0.3dB	≤0.2dB	≤0.2dB
Return Loss	≥50dB	≥60dB	≥35dB
Storage Temperature	-40°C to +90°C	-40°C to +90°C	-40°C to +90°C
Working Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Repeatability of IL	≤0.1dB		
Service life	1000 mate/demate cycles		

ST TO ST FIBER PATCH CORD (OM3)

- High-concerned chemical: None
- Fiber Type: Multimode
- Connector Type: ST/UPC
- Origin: Mainland China
- Cable Jacket Material: Aqua PVC or LSZH
- Cable O.D.: 2mm or 3mm



SPECIFICATIONS

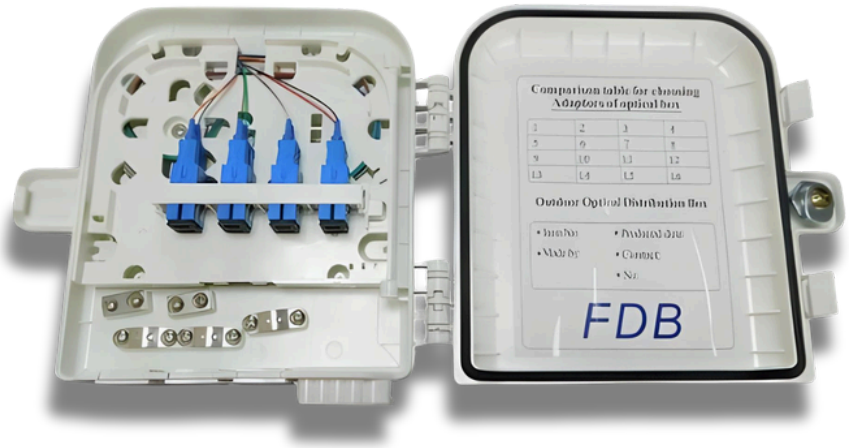
Fiber Type	OM3 Multimode
Core / Cladding	50/125 µm
Connector Type	ST to ST
Wavelength	850 / 1300 nm
Insertion Loss	≤ 0.30 dB
Return Loss	≥ 20 dB
Attenuation	≤ 3.0 dB/km @ 850 nm
Cable Jacket Color	Aqua
Cable Diameter	2.0 / 3.0 mm
Jacket Material	PVC / LSZH
Application	LAN / Data Center / Fiber Networking

TARTEL
TELECOM SUPPLIES TRADING

FIBER PROTECTION BOX/ ODF



8C FIBER BOX
SC/UPC COUPLER



FEATURES:

- Material : PC/ABS Alloy or Fire-Retardant ABS .
- UV and weather proof ; Up to 8 FTTH drops.
- Wall and pole mountable, Grounding device included.
- 3 inlet ports(for cables with max diameter 12 mm), 6 outlet drop cable ports.
- Suitable for used Uncut or Cut fiber optic cable.
- Turn-over structure, layout is reasonable with splicing zone below and distribution zone above.

DESCRIPTION:

RGP-FDB-08B 8 Core Fiber Optic Terminal Box called Fiber Optic Box & Fibre Optic Distribution Boxes is designed for use in both fiber-to-the-home and fiber-to-the-premises networks for point-to-point or PON network architectures, both indoor and outdoor models are available to accommodate either standard cables or window cut (break out) cables.

The range includes strain relief systems for main cables or for customer drops suitable for multiple applications: aerial, residential, building basement, building riser. The distribution boxes may house fusion splices, mechanical splices or splitters.





CONFIGURATION:

Model	Capacity	Dimension	PCS/Carton	Cable ports	G.W/Carton	Size of Carton
RGP-FDB-08B	8 Splices,8 SC/LC Duplex adaptorsor 1x8 PLC Splitter	200mmx215mmx54 mm	20 PCS	3 Inlet for Uncut or Cut Port+8 Drop Cable Outlet Ports	13 KGS	490mmx460 mmx330mm

APPLICATIONS:

- FTTH access network.
- Telecommunication Networks
- CATV Networks
- Data communications Networks
- Local Area Networks.

FTTH NAP BOX FOR PLC CASSETTE



DESCRIPTION:

Supply 16 Core Outdoor Plastic Fiber Optic Cable Distribution/Termination Box FTT-H308A

1. User familiar industry interface, using high impact plastic PC/ABS.
2. Can accommodate 1x8 PLC splitter and 1x16 PLC splitter
3. The high strength plastic, anti-ultraviolet radiation and ultraviolet radiation resistant, resistant to rain
4. Up to 16 FTTH drops ,2 inlet ports, 16 outlet ports
5. Wall and pole mountable Model No FTTH 16B

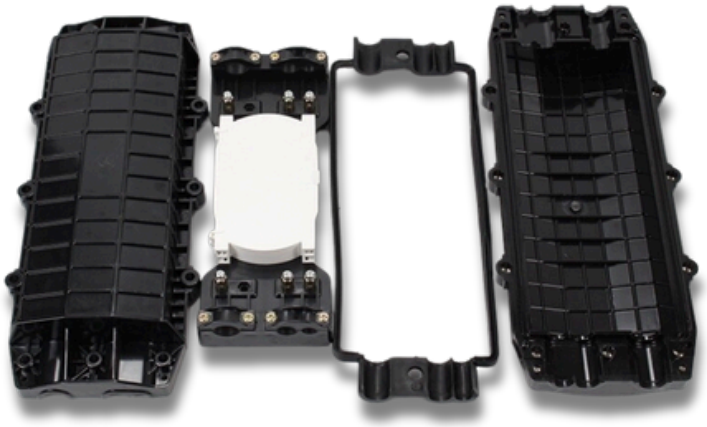
SPECIFICATIONS:

Dimension(LxWxH)	275mm x 235mm x 115mm
Weight(gross)	1.3kg
Fuction Cable	terminal, passive splitter
Adaptor type	SC/LC
Material	ABS PC
Max ratio	2:16
Color	Black
Max Capacity	16 Core
Environment	
1. **Temperature**	-40°C-60°C
2. Ambient Humidity	95% above 40°C
3. Air pressure	62kPa-105kPa





24C HORIZONTAL ENCLOSURE



FEATURES:

2 In 2 Out Fiber Enclosure Horizontal Type 144 Fiber Max ABS Material

1. All property indexes are in accordance with National YD/T814-1996 Standard.
2. The case body is made from imported high-intensity engineering plastics (ABS) and formed the shape with mould plastics under high pressure. It is in the shape of HALF rectangle, with the advantages of less weight, high mechanical intensity, corrosive-resistance, anti-thunderstruck and long service life.
3. The case body and cable entrance are sealed with adhesive rubber strip (non-vulcanized) and sealed tape. Reliable sealing capability. It can be re-opened and easy to maintain.
4. Unique disposition of 4 different cable loops(φ12.5,φ17,φ20,φ22) enables user to choose different outer diameter according to actual conditions, It enhances the reliability of the cable entrance sealed.
5. Overlapping fiber-melting tray and separate insulation earth unit make the disposition of the cores, expanding the capacity and cable-earthen flexible, convenient and safe.
6. Outer metal component and fixing unit are made of stainless steel, so can be repeatedly used in different environments.

SPECIFICATIONS:

Type	Fiber Optic Splice Closure Box
Model Number	Horizontal line fiber splice closure box
Fibers cores	12/24/48/96/72/144/196
Structure types	Horizontal type
Application	FTTH FTTB FTTX Network
Gross weight	2.5KG
Operating/Storage Temperature	-20°C~+80°C
Color	Black
Certification	ISO9001
Material	ABS+PC/Plastic
Life span	20 years



APPLICATIONS:

The product can be applied in the straight line and branch line(one into two, one into three)connections of optical cables within the diameter of 17mm(φ), all types and structures, when laid overhead ,in the pipeline, underground. Meanwhile, it is also applied to the connection of all-plastic city phone cables.

FIBER BOX
SC/UPC COUPLER



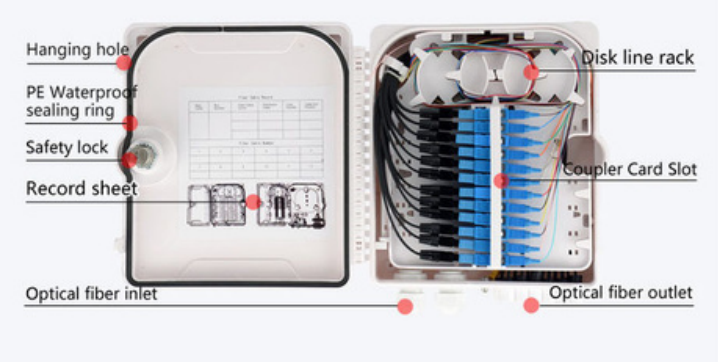
DESCRIPTION

Splitter termination box is suitable for fiber terminal points to complete the connection, distribution and scheduling between perimeter fiber cables and terminal equipment, especially suitable for mini network terminal distribution. it is widely applied in FTTH indoor and outdoor terminal applications.

FEATURES

- Wall mounting and pole mounting installation
- FTTH pre-installation and filed installation
- Protection Rating IP-65. Moisture-proof, anti-aging.
- Integrated with flap-up splice cassette and adaptor holder
- Fiber bend radius control more than 40mm
- Suitable for the fusion splicer or mechanical splice
- 3Pcs of 1*8 Splitter can be installed as an option
- Mechanical sealing structure and mid-span cable entry.

PRODUCT DETAILS



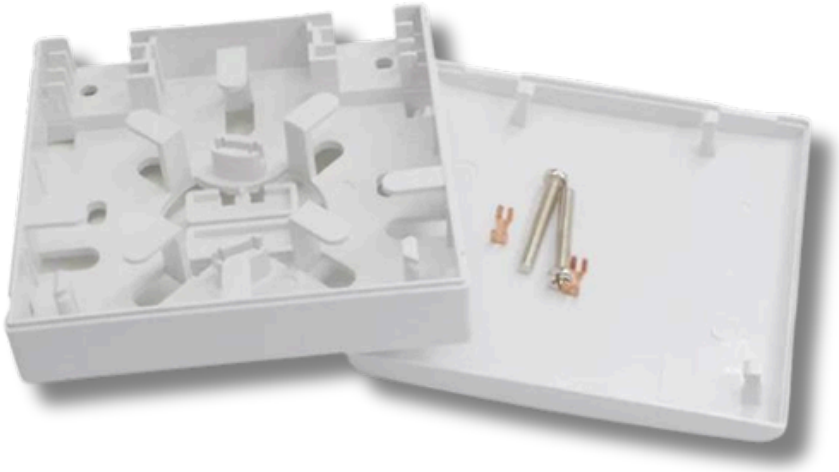
SPECIFICATIONS

	Fiber Optic Distribution Box	IP level	IP65
product model	FDB-12BE	Product size	230*200*70mm
Harbor	2 incoming ports / 12 outgoing ports	Packing Quantity:	10 pcs/carton
Fits with	1:8 plc splitter or12 core adapter pigtail	Material	ABS
Installation Type	Mounted on wall/pole	Net weight	0.7kg
Accessories	1. Wall mounting kit: 2 pcs2. Screws: 2 pcs3. Cable tie: 4 pcs4. Lock: 1 pc		

APPLICATIONS

- Wall mounting and pole mounting installation
- FTTH pre-installation and filed installation
- Protection Rating IP-65. Moisture-proof, anti-aging.
- Integrated with flap-up splice cassette and adaptor holder
- Fiber bend radius control more than 40mm
- Suitable for the fusion splicer or mechanical splice
- 3Pcs of 1*8 Splitter can be installed as an option
- Mechanical sealing structure and mid-span cable entry.

FIBER SQUARE BOX WITH COUPLER



FEATURES:

1. Design of double layer structure, the upper layer is the optical splitter wiring layer, the lower layer is the fiber fusion layer.
2. Easy to operate. Usually installed as wall mounted in the building or at the green belt.
3. The optical splitter module is designed of modular drawer type, and it has high interchangeability and generality.
4. SMC complex plastic or Cold rolled plate without material optional.
5. Fixed cable and protection.
6. Protect optical fiber splice joint
7. Termination function of fiber core.

SPECIFICATIONS:

fiber optic faceplate 2/4 ports or customized	
Product Name	FTTH Box
Design	OEM & ODM
Cable Port	2 inlet ports,8 outlet ports for normal cables or drop cables
Protection Grade	Anti-UV,ultra violet resistant and rainfall resistant
Operating Temperature	-40~60°C
Products Size	L*W*H mm according to cable cores
Net Weight	1kgs (add fittings)
Gross Product	1.2kgs (add fittings)
Fittings	Key / Expansion screws
Packing Quantity	10 boxes/case

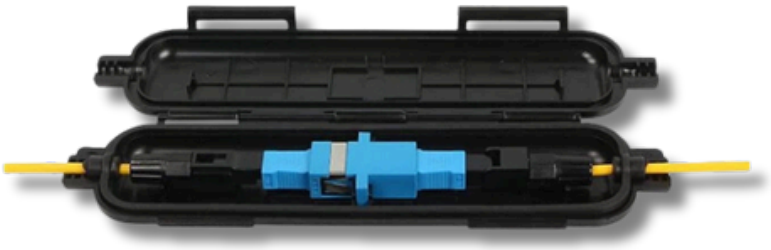
APPLICATIONS:

- Telecommunication Networks.
- Communication System.
- Test Equipment.
- Fiber CATV.
- FTTH.





FIBER SOLO COUPLER ENCLOSURE



DESCRIPTION

The Fiber Solo Coupler Enclosure is meticulously designed to accommodate 1 SC simplex adapter and 2 fast connector connections. Crafted from high-quality ABS material, the fiber solo coupler enclosure is waterproof application is further enhanced by a sealing gasket between the box cover and base. With the ability to handle both 2*3mm FTTH drop cables and 3mm round cables on both sides, this box provides versatility to meet various cable requirements.

FEATURES:

- Highly Durable and UV Resistant: Built to last, offering exceptional durability and resistance to UV radiation and providing long-term protection for your cables.
- Waterproof IP65: With an IP65 waterproof rating, this box provides excellent protection against water ingress, ensuring the integrity of your cables in outdoor environments.
- Small Size, Nice Shape, Convenient Installation: The compact size and appealing shape of the Coupler enclosure not only enhance its visual appeal but also make it easy to install, allowing for a hassle-free setup process.
- Satisfies Drop Cable and Normal Cable Requirements: This box is designed to meet the needs of both drop cables and normal cables, offering versatility and flexibility in cable management.
- Stable and Reliable Splice Contact Protection: Solo coupler enclosure can guards your cables against damage or breakage caused by external forces.
- Wide Operating Temperature Range : With a wide temperature range of -20~75 ℃ , this box maintains consistent performance even in extreme temperature conditions.

STRUCTURE DIAGRAM



SPECIFICATIONS:

Size (LxWxH)	160*47.9*16
Material	High Quality ABS Plastic
Accessories	SX SC Adapter and 2pcs of SC Fast Connectors
Inlet/Outlet	1/1
Capacity	1

FTTH NAP BOX FOR PLC NAKED

DESCRIPTION

The FTTH NAP Box is a termination box designed specifically for use with Fiber To The Home (FTTH) applications and Naked PLC (Planar Lightwave Circuit) fiber optic cables. It provides a secure and protected environment for splicing and terminating fiber optic cables.





FEATURES

- PLC Protection: The NAP box safeguards delicate PLC fibers by enclosing them within a durable housing.
- Splice Management: The box offers ample space for organizing and protecting fiber optic splices.
- Fiber Access: The NAP box provides designated entry and exit points for incoming and outgoing fiber optic cables.
- Multiple Ports (optional): Some FTTH NAP Boxes may come equipped with multiple ports to accommodate various fiber optic connection configurations

SPECIFICATIONS

Dimension(LxWxH)	270mmx200mmx100mm
Weight(gross)	1.68kg
Function	cable terminal,passive splitter
Adaptor type	SC /LC
Material	ABS PC
Max ratio	1:8
Colour	Black
Max capacity(F)	8 Core



4C FIBER BOX:
SC/UPC COUPLER



DESCRIPTION

The 4-core fiber termination box provides a stable, protective joint between optical cable and distribution pigtails at the end of fiber cables. It is typically used in cabling work area subsystems. The cable entry can accommodate 5.0mm fiber cable and splice up to 4 cores. It is especially suits mini-network terminal distribution, and it provides termination, fusion/mechanical splicing, and storage functions; and it usually installed on indoor walls to provide fiber socket, widely used in the end termination of residential building and villas.

The range includes strain relief systems for main cables or for customer drops suitable for multiple applications: aerial, residential, building basement, building riser. The distribution boxes may house fusion splices, mechanical splices or splitters.

APPLICATIONS

- FTTH access network.
- Telecommunication Networks
- CATV Networks
- Data communications
- Networks Local Area Networks.

FEATURES:

1. Dust-proof design with IP-45 Protection level.
2. Integrated with cable termination and management rods.
3. Manage fibers in a reasonable fiber radius condition.
4. Easy to maintain and extend the capacity. Suitable for the wall mounted installation.
5. Embedded type surface, easy for installation and removal.
6. 4 port cable entrance for drop cable or patch cable.





SPECIFICATIONS:

Size (mm)	100*83*30
Weight (kg)	0.06
Cable Inlet/outlet	10/4
Cable Diameter (mm)	Suitable for 3mm or Drop cable (2*3mm)
Max Splice Capacity	4 cores (single)
Suitable Adapter	SC

48-PORT FIBER TERMINAL BOX



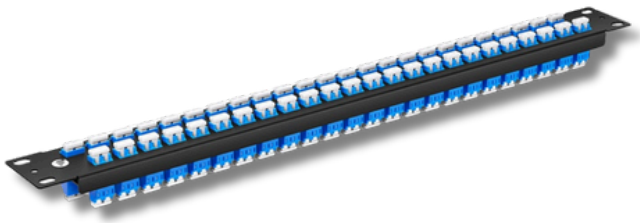
PRODUCT HIGHLIGHTS

- Space Saving 1U Design, Mount to Standard EIA 19" Rack Rails
- Allow for Field Splicing Applications Using FHD Fixed Enclosure
- Standard TIA/EIA-568.3-D Suggested Adapter Colors
- Offered in LC, SC and Blank Styles
- Clear Numbering for Quick Fiber Identification
- Double-layer LC Panels (Two Pieces) Eliminate Rattling and Loose Fit

FEATURES

- 19'' standard structure, rack mounting.sliding design,nice appearance.
- A pothook convenient to install and dismantle
- Splice tray could be piled one upon another, flexible to turn
- Unique structure, reasonable layout, adequate room for operation
- Adjustable clamp seal ring and reinforce configuration
- With excellent seal performance, preventing water from entering effectively
- Rack mount in optical distribution frame ODF





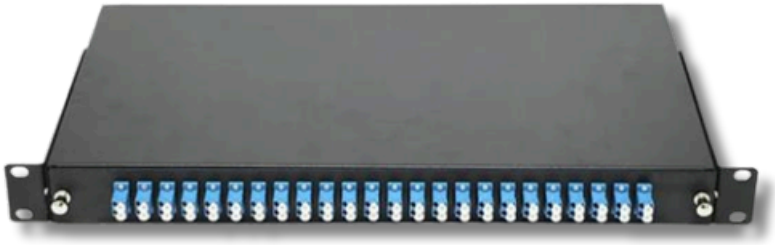
SPECIFICATIONS

Product name	Fiber Patch Panel
Ports	48
Installation Type	19 inch Rack mounted
Connector	SC,LC,FC,ST
Product Height	1 U,2U,3U,4U
Material	Cold rolled plate
Thickness	1.2mm,1.5mm

APPLICATIONS

1. Fiber to the home(FTTB)
2. Optical network
3. Local area networks
4. Wide area networks
5. Telecommunication network
6. Central office optical cable system
7. Premise fiber network

24P FIBER ODF (LC/UPC) DUPLEX



DESCRIPTION

19'' Fibre patch panel for up to 24 SC Simplex or LC Duplex adapters. The panel back side features 4 Ø20 mm inlets suitable for PG screw connection and 2 rectangular inlets 80 x 34 mm with blank plates.

FEATURES

- Low Insertion loss and Low PDL
- Uniform power splitting
- High reliability
- Excellent environmental stability
- Compact size and various package

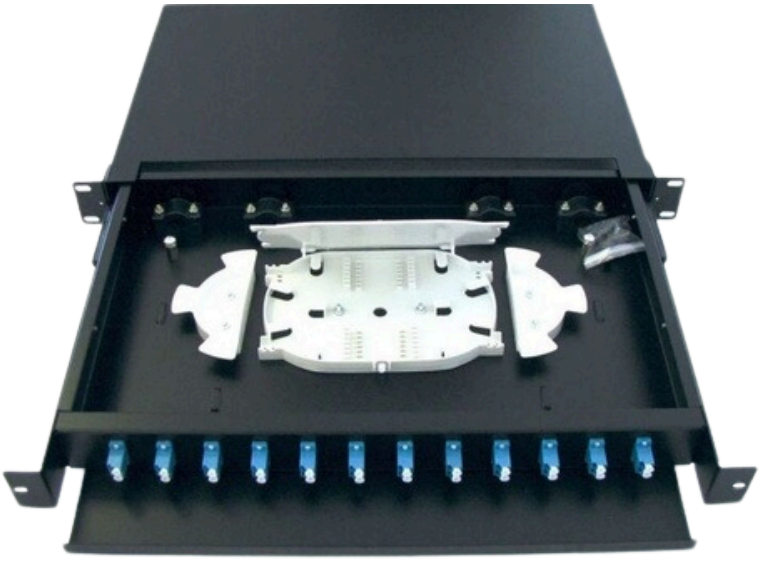




APPLICATION

- FTTx Systems
- Digital, hybrid and AM-Video systems
- LAN,WAN and Metro Networks
- CATV systems
- Other applications in fiber optic systems

12P FIBER ODF (LC/UPC) DUPLEX



DESCRIPTION

12C provides a versatile and customizable solution for managing fiber optic connections. With its 12 capacity slots, it offers ample space to accommodate fiber optic modules, adapters, and connectors. This empty ODF allows for easy installation and organization of fiber optic cables, providing a neat and efficient setup. Its modular design enables flexibility in configuring and expanding the fiber optic network as needed. The ODF 12C is a reliable and cost-effective choice for housing and protecting fiber optic connections, ensuring efficient signal transmission and management.

SPECIFICATIONS

Product name	Optical Fiber Terminal Box
Product Model	FTB-12 XX/UPC
Ports	12
Max Capacity	SC FC ST 12/ LC 24
Installation Type	19 inch frame
Connector	SC/FC/LC/ST
Packing Size	435*200*50 mm
Product Height	1 U
Material	Cold rolled plate
Gross Weight	1.8kg
Acessories	1.Ears : 2 pcs. 2.Screws : 6 pcs. 3.Cable tie : 4 pcs . 4.Fiber optic adapter : 12 pcs. 5.Fiber optic pigtail : 12 pcs (LC pigtail 24 pcs).

8P FIBER ODF WITHOUT COUPLER

FEATURES

- Professionally manufactured: Easy to use, professional manufacturing and high performance.
- Stable and Durable: Fine workmanship, stable and reliable performance, simple use, easy to install.
- Simple Assembly: Simple assembly structure, good protection of the product.
- Strong Signal: The shell is made of pure copper, which has strong reliability and high temperature resistance.
- Energy saving: Low energy consumption, environmental protection and good stability.



SPECIFICATIONS

Product name	Fiber Patch Panel
Product Model	FTB-8 SC/UPC
Ports	8
Max Capacity	SC 8/LC 16
Installation Type	Desktop
Connector	SC/UPC
Packing Size	435*200*50 mm
Product Height	1 U
Material	Cold rolled plate
G. weight	0.6kg
Accessories:	1.Fiber optic adapter : SC/UPC-SC/UPC 8 pcs.2.Fiber optic pigtail : SC/UPC 8 pcs.

4P FIBER ODF W/ SC/UPC COUPLER

FEATURES

- Paint Baking Process
- Thickened Steel Plates
- Stable Transmission
- Convenient Installation
- Safe and Reliable
- Easy Operation





LC SC

Engineering Telecom Grade Fiber Optic Connector

Low insertion loss,single mode universal

APPLICATIONS

Telecommunications and data communications, storage networks, CATV and multimedia applications,long distance transportation, subway and access networks system integration, fiber to FTTX testing

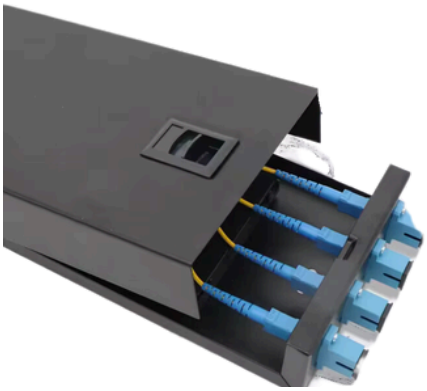
4P FIBER ODF W/ SC/UPC COUPLER



Plug and Play
insertion loss of pigtail <0.3dB
SC Pigtail length: 1.5M



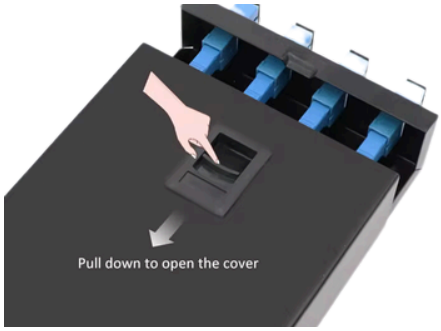
Paint Baking Process
HIgh-quality black epoxy electrostatic spray paint, with a smooth surface and good texture, high wear resistance and rust prevention, and long service life. All products are treated with phodphating, which is environmentally friendly.



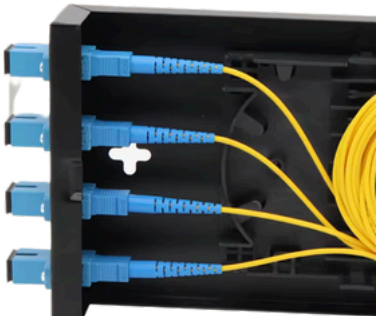
Thickened Steel Plates
Made of high-quality cold-rolled steel plates with a thickness of 0.8mm, which are resistant to compression, impact and deformation after long-term use.



Two Inlet Ports
Two lines can be input at a time, or one can be input. The application has a built-in-double-layer stacked inlet with a wire clamp for convenient input and output.

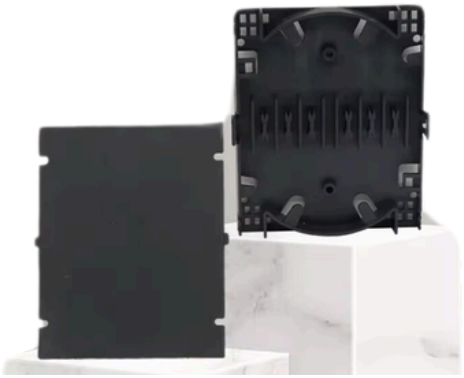


Buckle Design
One click buckle lift type shell, easy to open, labor-saving, and construction efficiency and time-saving

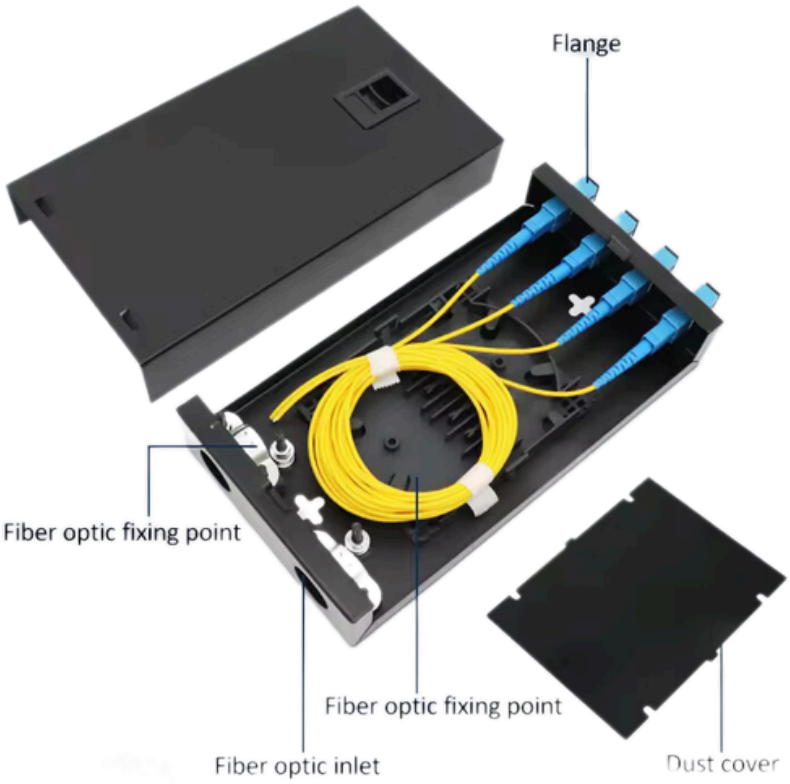


Durable & Tight
Provides a protective connection between the optical cable and the wiring pigtail, insulates the technical components of the optical cable end shell, and facilitates grounding.

4P FIBER ODF W/ SC/UPC COUPLER



The **Fusion Disk** is touch and not easy to break, integrating the fusion, jumper, and storage of optical cables, optical fibers, and tall fibers.





Hangable/Preventable Installation
Multiple installation methods such as wall mounted or directly placed in channels, monitoring boxes, cabinets (desktop), etc. can be installed.

PRODUCT PARAMETERS

Product name	4 Ports Fiber Optic Terminal Box
Material	Thickened cold rolled steel plate
Interface Style	SC
Material Thickness	0.8mm
Environmental Temperature	-25 to +40°C
Insulation Resistance	>2*104MQ
Dielectric Strength	<15kV
Color: black	Weight : 430kg
Product Size	200*111*35(mm)
Packaging size	240*120*40(mm)

FIBER OPTIC PATCH PANEL, MAIN BODY, BLACK, & ADAPTER PANEL

1U 19"



*The main body is without adapters and adapter panels, the picture is for reference only.

FEATURES:

- Unique modular design and full range of accessories allows to assemble a patch panel as needed
- Four adapter slots can be covered by SC, ST, LC, FC-D-flange or blank adapter panels; Support up to 24 ports of SC simplex or LC duplex adaptors to provide up to 48 fibers terminations. The adapter panels are available for unloaded and fully loaded
- Equipped with splice cassette of 24 cores and cable routings. For 48 cores, stackable splice cassette (PN673000001) is available for ordering additionally.
- Fits to standard 19" racks; 1U height
- Smooth sliding tray with self lock function, easy to install and maintain
- Material/thickness of body and adapter panels: cold rolled steel/1.4 mm
- Material of splice cassette and cable routing: ABS
- Adapter meets TIA/EIA 568.3-D
- RoHS compliant

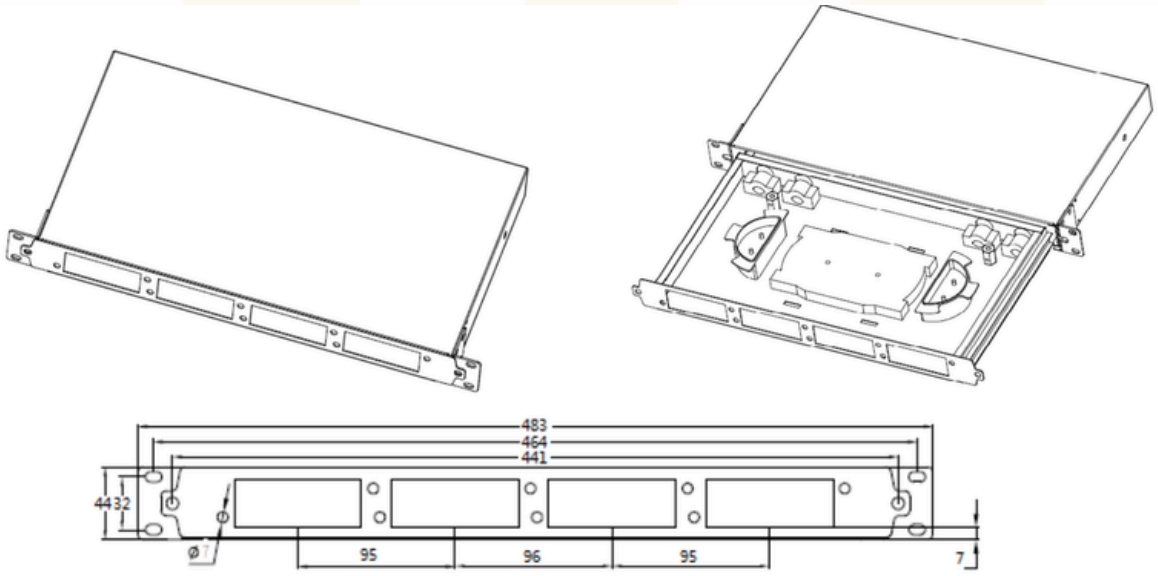
APPLICATIONS

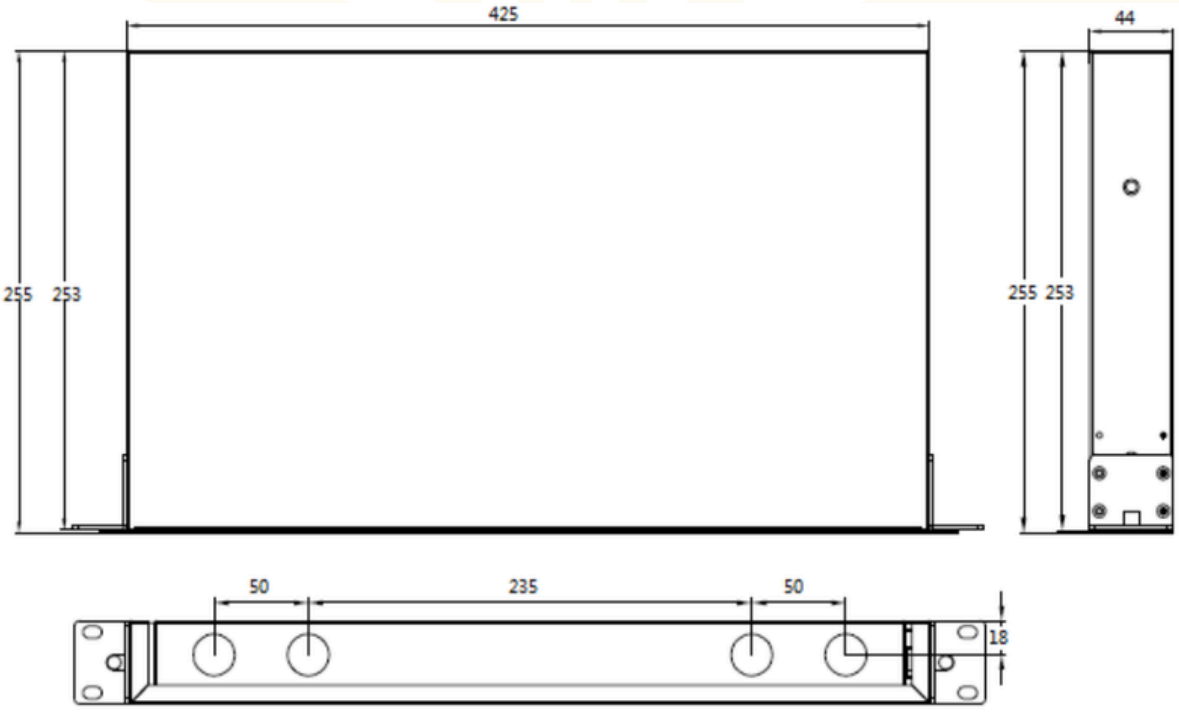
- Telecommunications
- Local Area Network
- FTTH Deployments
- CATV
- Provide termination, protection, connection, management of fiber optic cable

ACCESSORIES

Splice cassette (for 24 fibers)	1pc	Main body rivet	2pcs
Cable routing spool	2pcs	Adapter panel rivet	8pcs
Fiber protection sleeve	24pcs	Adapter set screw	50pcs
Cable tie	12pcs	/	/

DRAWINGS

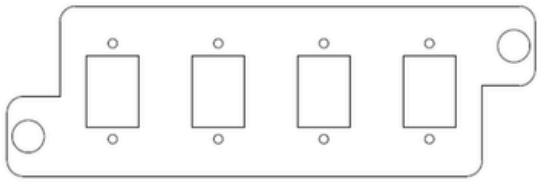




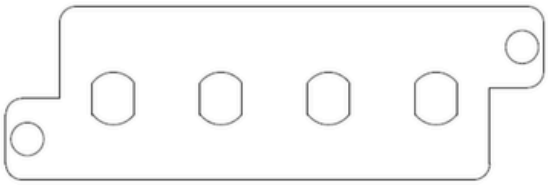
ADAPTER PANELS



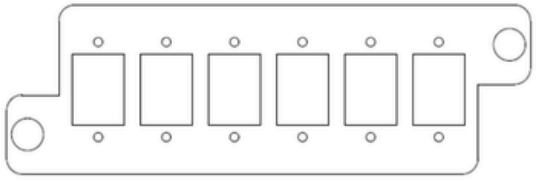
DRAWINGS



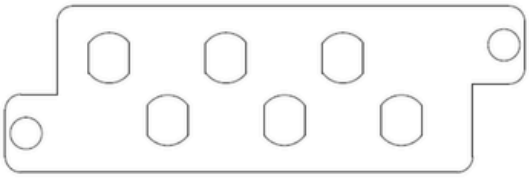
4-port SC Simplex/LC Duplex adapter panel



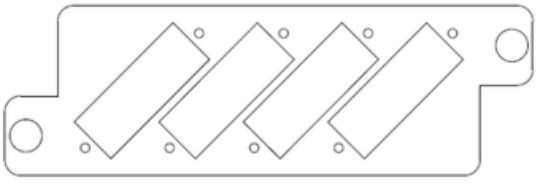
4-port ST/FC Simplex adapter panel



6-port SC Simplex/LC Duplex adapter panel



6-port ST/FC Simplex adapter panel



4-port SC Duplex/LC Quad adapter panel



Blank panel

8P FIBER ODF W/ SC/UPC COUPLER

FEATURES

- Professionally manufactured: Easy to use, professional manufacturing and high performance.
- Stable and durable: Fine workmanship, stable and reliable performance, simple use, easy to install.
- Simple assembly: Simple assembly structure, good protection of the product.
- Strong signal: The shell is made of pure copper, which has strong reliability and high temperature resistance
- Energy saving: Low energy consumption, environmental protection and good stability.





SPECIFICATIONS

Product name	Fiber Patch Panel
Product Model	FTB-8 SC/UPC
Ports	8
Max Capacity	SC 8/LC 16
Installation Type	Desktop
Connector	SC/UPC
Packing Size	435*200*50 mm
Product Height	1 U
Material	Cold rolled plate
G. weight	0.6kg
Accessories:	1.Fiber optic adapter : SC/UPC-SC/UPC 8 pcs.2.Fiber optic pigtail : SC/UPC 8 pcs.

4P FIBER ODF
WITHOUT COUPLER

FEATURES

- The shell is high intensified & insulated material, thus having excellent mechanic performance and it is solid and durable.
- Strength core and shell was insulated, add with grounding lead.
- Can be installed against wall.
- Full accessories for convenient operations.
- No spark-over and no flying arc.





PERFORMANCE

A. Excellent design.
B. Fiber lead , grounding, perfect fix up and reliable.
C. Pigtail fix up reliable and perfect protection.
D. Apply to extensive fieid.
E. Convenient operations and maintenance.

SPECIFICATIONS

Model	BLOF-8004B
Type	SC/UPC 4 ports and LC/UPC 8 ports fixed type
Height	1U
Material	0.6-0.8 mm SPCC Cold Rolled Steel
Environment temperature	- 25℃~ +45℃
Relative humidity	≤word 85% (30℃)
Atmosphere pressure	70~ 106KPa
Insulated Resistance	≥32x10MΩ/500V (DC)
Intensity	≤15KV(DC)/1min
Fiber bending radium guaranteed	≥40mm
Fiber in put	4
Adapters output	24
Weight	0.25 kg
Dimension	155mm * 105mm * 35mm

24C DOME ENCLOSURE BOX

DESCRIPTION

The Dome Enclosure – Mechanical 24C is a durable and dependable solution for safeguarding and organizing fiber optic connections in outdoor environments. Built with a rugged, weather-resistant design, it ensures long-lasting protection and performance for your fiber optic network.

Capable of accommodating up to 24 fiber optic connections, this enclosure provides generous space for splicing and terminating cables. Its dome-shaped structure offers superior protection against dust, moisture, and UV exposure, while the mechanical closure system guarantees a secure seal with convenient access for installation and maintenance.





Designed for demanding applications such as telecommunications, broadband networks, and surveillance systems, the Dome Enclosure – Mechanical 24C delivers the reliability and efficiency needed to keep your network strong and secure.

24C DOME ENCLOSURE BOX





APPLICATION

1. Patch panels
2. Distribution frames
3. Maintenance or emergency restoration of fiber networks
4. FTTH Outlets
5. Connection at the desk for LAN environments

DIMENSIONS AND CAPABILITY

Dimensions	303mm*236mm*109mm
Maximum Capacity	24 Cores
Number of Cable Entrance/Exit	2:16
Cable Diameter Range	8~20 mm





OPERATING CONDITIONS

Temperature	-40℃~+60℃
Humidity	≤95% (at 40℃)
Air Pressure	70kPa ~106kPa

48C DOME ENCLOSURE BOX

DESCRIPTION

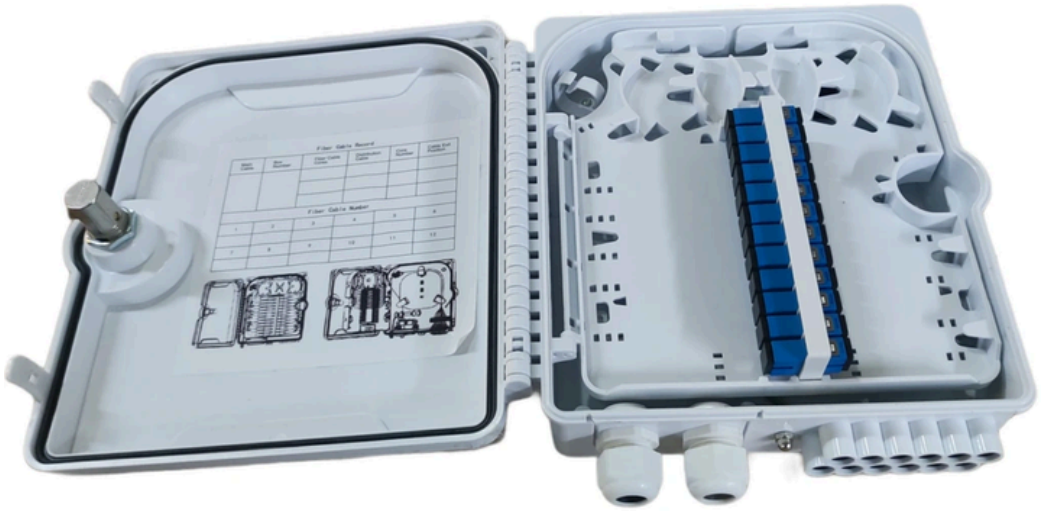
48 Core Fiber Optic Splice Joint Closure Dome Types are used to distribute, splice, and store the outdoor optical cables which enter and exit from the ends of the closure. There are two connection ways: direct connection and splitting connection. They are applicable to situations such as overhead, manwell of pipeline, embedded situation etc. Comparing with terminal box,the closure requires much stricter requirement of seal. Sealing ring and air valve are required for closure, but that are not necessary for terminal box.



FEATURES

1. The closure casing is made of quality engineering plastics, and of good performance of anti-erosion against acid and alkali salt, anti-aging, as well as smooth appearance and reliable mechanical structure.
2. The mechanical structure is reliable and has the performance of resisting wild environment and intensive climate changes and serious working environment. The protection grade reaches IP68.
3. The closures are applicable to ribbon type optical cable and common optical cable.
4. The splice trays inside the closure are turn-able like booklets, and have adequate curvature radius and space for winding optical fiber to make sure the curvature radius for optical winding 40mm.Each optical cable and fiber can be operated individually.
5. The closure is of small volume, big capacity and convenient maintenance.The elastic rubber seal rings inside the closure are of good sealing and sweat-proof performance.
6. The casing can be opened repeatedly without air leakage. No special tools are required. The operation is easy and simple. The air valve is provided for the closure and used to check the sealing performance.

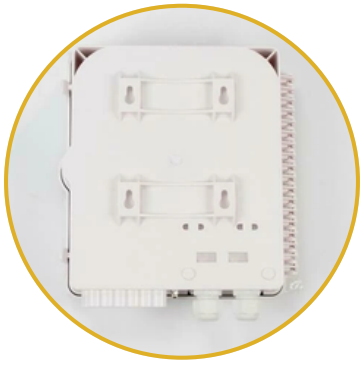
12C FIBER BOX
SC/UPC COUPLER



DESCRIPTION

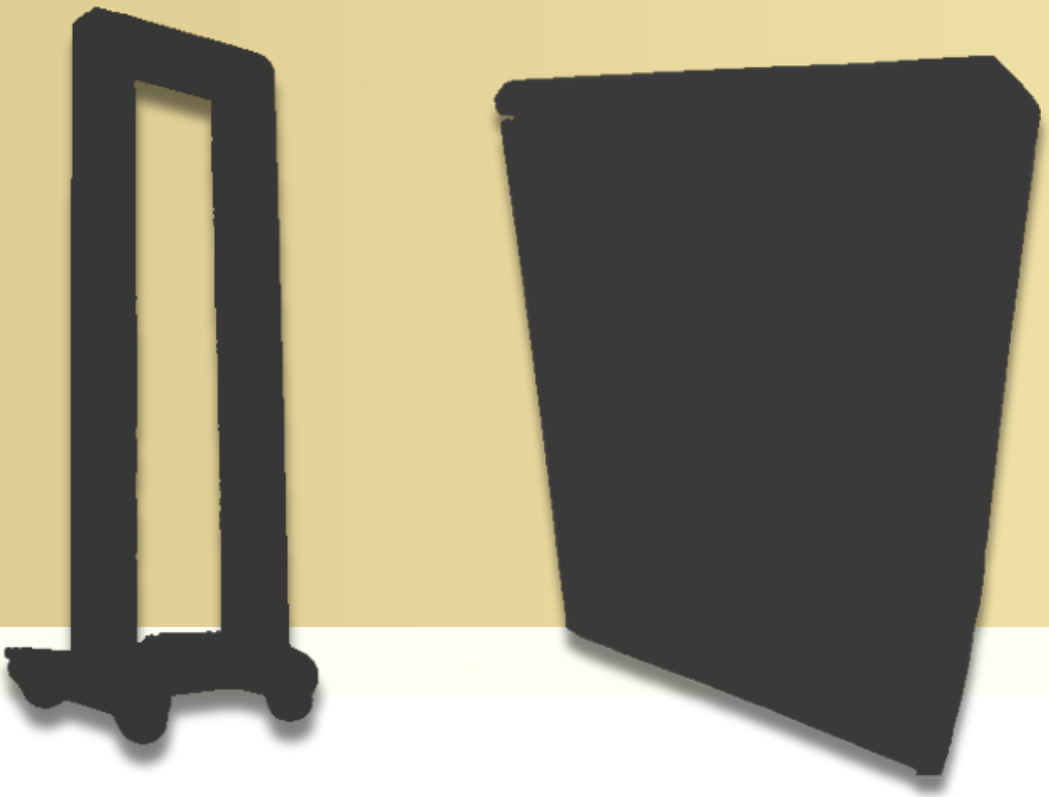
- Type: Fiber optic terminal / distribution box (FDB) or network access point (NAP).
- Capacity: 12-core/port configuration equipped with blue SC adapters.
- Design: Weatherproof hinged enclosure with cable entry glands at the bottom and internal fiber routing/spooling trays.
- Use: Connects incoming feeder cables to subscriber drop cables in optical networks



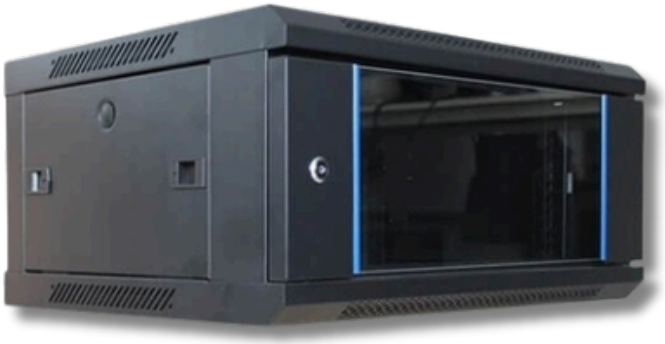




DATA CABINET



V1-4U / 1FT (600*450)
DATA CABINET



DESCRIPTION

- SIZE: 4/4-Layer/230mm Height
- DIMENSION: W600mm x D450mm x H230mm
- 19" Rack Mountable
- 4Pcs
- Single swing detachable front tempered glass with keylock
- Removable Side Panels
- Powder Coated Finish Black

Front door tempered glass door, 2 side doors, sets of screws, nuts.

- Tempered Door w/ Key
- Detachable Sides
- Sets of DynaBolts
- Sets of CageNuts



Network Data Cabinet

- Patch Panel Wall mount Rack
- 2 exhaust slot / Removable side panel
- Glass front panel with key
- Top and bottom removable slot for cable management

PRODUCT DETAILS







V1-6U / 1FT (600*450)
DATA CABINET



PRODUCT DESCRIPTION

6U/6 Layer Wall-mounted Data-Cabinet, full black, matte poweder coated finish with 2 dan slot.

FEATURES

Size: 6/6-Layer/1ft Height
Dimension: W600mm x D450mm x H1ft
19" Rack Mountable
4 Pcs Railing each corner
Single swing detachable front tempered glass door with keylock
Removable Side Panels
With free 8-10sets of M5 cagenuts
Powder Coated Finish Black

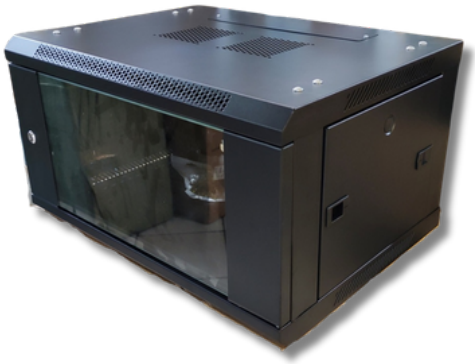
PRODUCT PARAMETERS

Model Name: 6U Wall-mounted Data cabinet
Model Size: 6U/6 Layer
Cabinet thickness: 1mm
Mounting profile thickness: 1.5mm
Cabinet weigth: 11.3kg
Dimensions:
- Width = 600mm
- Depth = 450mm
- Height = 1ft

PRODUCT DETAILS







V1-9U / 1.5FT (600*600)
DATA CABINET



PRODUCT DESCRIPTION

The RACK 19” cabinet enables integrating CCTV, AC, I&HAS, RTV, LAN, or other systems in small companies or households. It is intended for devices manufactured in enclosures of the 19'' standard. Due to the RACK cabinets, the devices are aesthetically mounted and protected against mechanical damage.

FEATURES:

- adjustable distance between front and rear RACK rails
- ventilation holes in the top panel (2 x 105x105mm - mounting dimensions)
- cable ducts in the top and bottom panel (340x56mm)
- lockable front door
– repeatable code (2 keys included)
- possibility of reverse front door
– opening left/right
- lock assembly possible
- RAZB16 (additional equipment)
- possibility of disassembly rear panel (518x434mm)
- ready-to-assemble





SPECIFICATION

Mounting dimensions:	W=19", H=9U, D=447mm
External dimensions:	W=600, H= 2, D= 0 [mm, +/-2]
Net/gross weight:	23,5 25 kg
Materials	- RACK mounting rails: cold-rolled steel SPCC 1,5mm - top and bottom panel: cold-rolled steel SPCC 1,2mm RAL 9004 - frame: cold-rolled steel SPCC 1,2mm RAL 9004 - front door: 5mm toughened glass / SPCC 1,2mm RAL 9004 - side panels: cold-rolled steel SPCC 1,2mm RAL 9004 - rear plate: cold-rolled steel SPCC 1,2mm RAL 9004
Static load	70 kg
Use	inside, IP20

V1-15U/2FT (600*450)
DATA CABINET



PRODUCT DESCRIPTION

15U/15 Layer Wall-mounted data cabinet, full black, matte powder coated finish with 2 fan slot

FEATURES

- 19" Rackmountable
- 4 Pcs Railings in each corner
- Single sing detachable front tempered glass door with keylock
- Removable Side panels

PARAMETERS

Model Name: 15U wall-mounted data cabinet
Model Size: 15U/15 Layer
Cabinet thickness: 1mm
Mounting profilethickness: 1.5mm
Cabinet weight: 19.22kg
Dimensions:
Width = 600mm
Depth = 450mm
Height = 2.5ft



PRODUCT DETAILS







V1-12U/2FT (600*450)
DATA CABINET



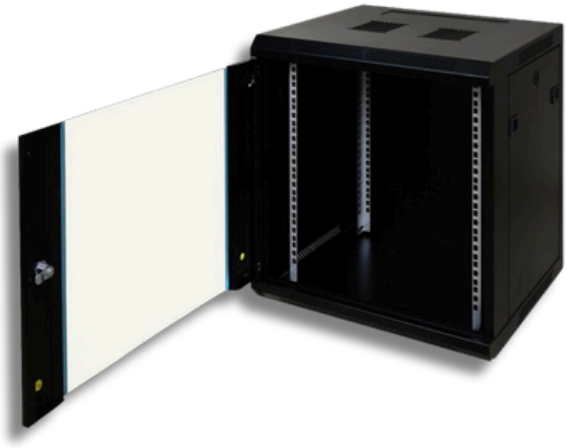
PRODUCT DESCRIPTION

This 12U Wall Mount Server Rack can be either wall-mounted or self standing. It is great to organize your CCTV XVR, DVR, NVR or other network equipment. The 12U Wall Mount Server Rack comes with a welded frame and removable side panels. This cabinet comes standard with a lockable glass door and cable entries from the top and bottom.

FEATURES

- Removable Side Panels
- With 2pcs Exhaust Fan / 1pc PDU 6-Slot / 1U Universal Tray
- With free 8-10 sets of M5 Cagenuts
- Powder Coated Finished Black





SPECIFICATION

Size: 12U/ 12-Layer/ 2FT Height Dimension: W600 x D600mm x H=2FT 19" Rack Mountable 4 Pcs Railings in each corner Single swing detachable front tempered glass door with keylock Removable Side Panels With free 8-10 sets of M5 Cagenuts Powder Coated Finished Black

V1-18U/3FT (600*600)
DATA CABINET



FEATURES:

- 19'' standard installation, welded frame, reliable structure
- Frame structure intended for self-assembly, easy handling, transportation, to maximize save shipping cost
- Standing or wall mounting installation
- Easy mounting installation (patent)
- Removable side panels
- Holes for entering cable on both of top cover and bottom panel
- Toughened glass front door, turning angle is over 180 degrees

APPLICATIONS

- Networking and Communications
- DVRs and security equipment
- Patch panels and switches
- PBX / PABX telephone systems
- Other rack-mount equipment

PRODUCT DESCRIPTION

18U Data Cabinets 600 x 600 | Network racks 600 x 600 Freestanding. Data cabinet for small to medium office Internet network data communication. 600 x 600 Data cabinets is of high high quality and affordable 19 "racks. Clear tempered glass doors and removable side doors with side holes for better ventilation.

SPECIFICATION

Height	18U
Inner Dimensions	600mm(W) x 600mm(H)
Outer Dimensions	610mm(W) x630mm(H)
Color	Black
Glass Door	Lockable Front Door and Detachable Side Doors
6-Way PDU	Free Power Distribution Unit
1 -Tray(s)	Trays for Extra Partitioning
1 – Small Cooling Fan	Data Cabinet Fans for Data Cabinet Cooling. Top, Ventilation Holes
Bolts & Nuts, Assembly Kit	Cabinets Accessories for Mounting and Freestanding
Openings	A removable backplate for rear cable entry/access if required.

9U 2P
DESK RACK



PRODUCT DESCRIPTION

Open format stands for stacking 19" rack equipment on a desktop or work surface. Supplied as an easily assembled 5-section kit with rack mounting hardware, pre-punched rack strip and anti-slip rubber feet. A useful option for assembling several units where a full cabinet is not needed.



FEATURES

- Manufactured in 1.5mm Steel
- Finished is fine tex Black
- Lightweight open frame desktop rack design saves space.
- Easy to assemble.

PRODUCT MEASUREMENTS

Depth	450mm
Rack height	9U (400mm)
Dimensions	470 x 500 x 300mm
Weight	2.489kg

2U
DESK MOUNT



PRODUCT DESCRIPTION

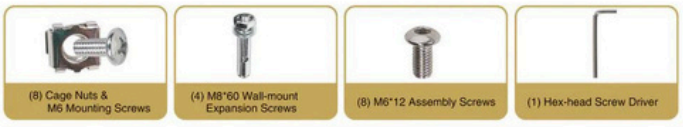
The 2U desk mount is a 2U wall mount patch panel bracket that serves as an ideal alternative to a full-size rack. It is made of heavy-duty steel and is compatible with 19" AV/IT equipment and patch panels. With cage nuts and wall-mount expansion screws included, this bracket allows you to mount your equipment either to the wall or under your desk to save space. It is perfect for small offices, home offices, server rooms, network centers and more.

FEATURES

- STURDY CONSTRUCTION: Rugged steel construction for ultimate durability
- EASY TO SET UP: 2U rack space, 19-inch width, easy to assemble with necessary parts and tools included
- VERSATILE APPLICATION: Perfect for patch panels, AV equipment, network devices and more
- SPACE SAVING: Allows you to mount your equipment either to the wall or under your desk to save space

PRODUCT DIMENSION





SPECIFICATION

Product Width (in.)	19.7"
Product Height (in.)	4.4"
Product Depth (in.)	8.7"
Product Weight (lb.)	5.1 lbs

2U WALL MOUNT
OPEN TYPE



PRODUCT DESCRIPTION

The Wall mounth 2U 19in Hinged Wall Mounting Bracket for Patch Panels is 6in deep and sturdily designed to provide a dependable solution for mounting a patch panel, or other slim 19in networking equipment to a wall. The patch panel wall mount features a hinged design for easy access to configuration buttons, ports and cables. The wall mounting holes are spaced 16 in. apart, making it suitable for mounting on almost any wall, based on common wall-frame stud spacing.

FEATURES

- Sturdy cold rolled steel construction
- 2U rack height
- Hinged side panel for easy equipment access
- 10 kg (22 lbs) weight capacity
- Wall mounting holes are 16” center to center for greater stability, and mounting to standard wall studs

PRODUCT MEASUREMENTS

Product Length	5.9 in [15.1 cm]
Product Width	19.7 in [50.1 cm]
Product Height	3.5 in [88.0 mm]
Weight of Product	2.6 lb [1.2 kg]
Maximum Mounting Depth	5.8 in [14.8 cm]

12U VERTICAL (600*600*150)



PRODUCT DESCRIPTION

19" wall-mounted rack cabinet. 12U wall cabinet and external size in mm of 600 (A) x 150 (D) x 640 (H). It has a single front frame compatible with a 19" rack and which is configurable in depth (6 levels), although by default it is supplied installed in the center of the cabinet. The distance from the rack to the bottom of the cabinet (useful depth) could be up to 105 mm, moving the rack forward as much as possible.

WEIGHT AND MEASUREMENTS

- Gross Weight: 11.9 kg
- Product size (width x depth x height): 60.0 x 15.0 x 64.0 cm
- Number of packages: 1
- Packages size: 66.0 x 62.0 x 16.5 cm
- Master-pack: 1

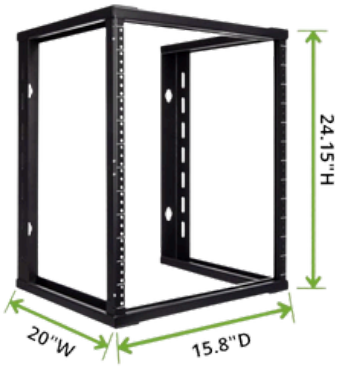


SPECIFICATION

- Complete structure and with front 19" rack guides, adjustable in depth to adapt to any need.
- Glass door, with lock and key (includes two). 180 degree door opening.
- Holes for the passage of cables, in the upper and lower panel. These holes for the passage of cables can be left open or closed with a metal plate.
- Holes in the back plate for fixing the cabinet to the wall.
- 150 mm cabinet depth.
- They are delivered to the customer fully assembled and packed, ready to be installed.
- Made of SPCC steel painted black. They comply with the most demanding regulations and standards ANSI/ EIARS-310-D, IEC297-2, DIN41491 (part 1, Part 7) and DIN41494.
- Cabinet measurements (width x depth x height): 600x150x640mm.

12U OPEN FRAME RACK





Configuration	12U
Compatibility	19-inch standard equipment
Max weight	200lbs
Material	1.5mm cold rolled steel
Max rail depth	15.6 inches

DESCRIPTION

The open frame rack is designed not just for functionality, but also for the utmost security of your equipment. Its robust construction, combined with specific design elements, ensures that your devices are housed safely and remain protected against potential external threats.

FEATURES

- Comes in 6U,9U,12U,15U Options
- Optimal airflow
- Powder coated
- Space-efficient solution
- Variety of sizes
- Industry standards compliant
- Wall mounted
- Threaded holes
- Bolted assembly
- Easy cable management: Facilitates effortless cable routing & organization, ensuring clutter-free setup
- Easy equipment access: Allows quick access to rear panels, ideal for servicing & management, even in tight spaces
- Robust construction: Built from high-quality materials to withstand wear and tear
- Secure mounting: Versatile mounting options provide equipment stability
- Safety compliances: Adherence to industry standards for equipment protection.



22U OPEN BAY RACK
W/ CASTOR WHEEL



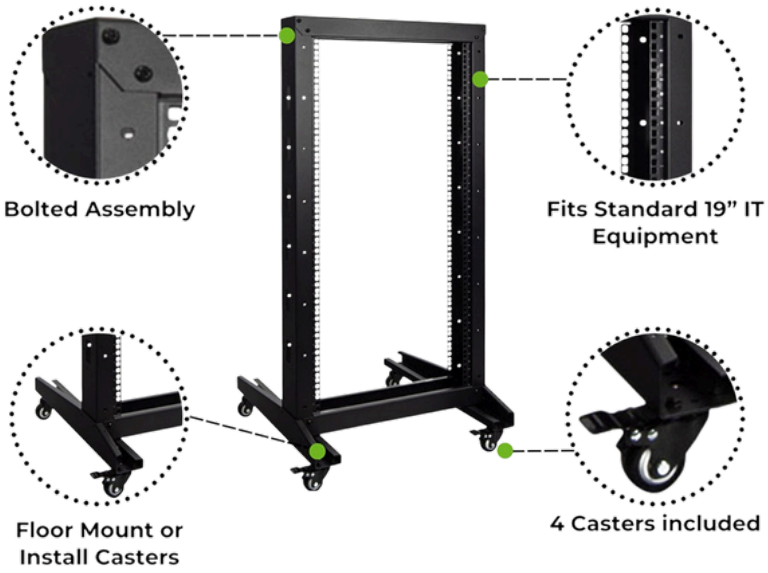
PRODUCT DESCRIPTION

This 22U 2-post open frame server rack is the perfect solution to mount your large or small networking equipment in limited spaces. It's accommodating, open design is compatible with most standard 19-inch rackmount equipment and offers easy access to cables and equipment and unobstructed airflow. Enjoy the versatility of either floor mounting your rack or installing the supplied casters. This rack is self-squaring using bolt down provisions and can support stationary loads up to 330 lbs. The package includes all required hardware for assembly (bolted construction with square-punched cage nut style holes).

SPECIFICATIONS

- Powder Coated
- Cold Rolled Steel
- Bolted Assembly
- 330lbs

FEATURES



32U OPEN BAY RACK W/ CASTOR WHEEL



PRODUCT DESCRIPTION

1.Unassembled structure, modular design, easy to assembly;
2.Stable and strong structure, easy to fix and maintain;
3.19 inch standard data rack: with 2 post;
4.With 4 castor, easy to move;
5.Various optional accessories for common using;
double row open rack with 4 casters, 20 sets of screws and nuts

DIMENSIONS

Height : 160 cm x
Width : 57 cm x
Depth : 60 cm
Weight : 11kgs
Color : Black

SPECIFICATION

- **Product features:** combined design, easy erection, low cost, easy loading and unloading, transportation, assembly;
- 2 Posts, 2 beams, 2 wheel panels, 4 universal wheels or a chassis,
- Multiple accessories can be purchased on demand (such as wire slot, wire rack, tray, etc.)
- **Application scope:** widely used in computer network system, university education equipment, broadcasting system and communication system, etc
- Suitable for placing precision computers and electronic instruments.
- **Bearing capacity:** static load of 150KG

42U OPEN BAY RACK
W/ CASTOR WHEEL



PRODUCT DESCRIPTION

Store your server, network, and telecommunications equipment in this sturdy 42U rack. With a 2-post design, the rack saves floor space and its dual-posst, open-depth design makes it broadly compatible with longer equipment.

FEATURES

- Maximum portability with four swiveling casters for easy transportation
- Widely compatible with most rack-mountable equipment with square mounting holes and a 2-post open frame design
- Superior duarability and stability with full-steel construction

SPECIFICATION

HEIGHT:	7 FT
COLOR:	POWDER COATED BLACK
MATERIAL:	COLLED ROLLED STEEL
SURFACE FINISH:	POWDER COATED
KEYWORD:	19" RACK ENCLOSURE
RACK STANDARD:	19 INCH

22U 600*600MM GLASS

PRODUCT DESCRIPTION

This 22U Floor Standing Server Rack AS6622 is the solid floor standing server rack.. It is great to organize your CCTV XVR, DVR, NVR or other network equipment. The 22U Floor Standing Server Rack AS6622 comes with a welded frame and removable side panels. This cabinet comes standard with a lockable glass door and cable entries from the top and bottom.



SPECIFICATION

- Glass front door
- Sheet steel rear door
- Detachable side panels
- Bottom and roof panels with ventilation holes
- 4 x 19 inch profiles with height indications
- Doors can be placed both left and right-handed
- Cable input at top and bottom
- Front door, rear door and side panels with locks
- Supplied ready to use
- Maximum load weight: 800kg
- Completely dismountable.

32U 600*800MM MESH

PRODUCT DESCRIPTION

- The Network Cabinet is specially designed for network servers of high density in IT environment. With accessories of bracket, cable manager, PDU fixing slot, high quality locks, it is the most safe place for important IT equipment.
- The network cabinets are manufactured from zinc-plated steel offering better corrosion protection than other cabinets on the market.
- Large cable entry in the base of the cabinet allows ease of access when installing cables. The floor standing data cabinets are supplied with a glass front door and steel rear and side doors. All doors and side panels can be quickly removed for simple installation and maintenance



FEATURES

- Adjustable mounting rails
- 4 fans pre -installed that allow air flow in the cabinet
- Toughened glass front door
- Small round lock
- Adjustable feet and heavy duty casters
- Removable side panels
- Withstand up to 800 Kg maximum static load
- Dimensions: 600x800

Usable height	32U
Type of doors	ESG safety glass
Color	RAL 9004
Max load capacity	castors - 300 kg levelling feet - 600 kg
Protection degree	IP20
Thickness of steel	2 mm
Heigh	1605 mm
Width	600 mm
Depth	800 mm

42U 600*800MM MESH



FEATURES

- Optimized for high capacity cable management systems
- Integrated with Schneider Electric datacenter products
- Compatible with Schneider Electric Rack Systems
- Easy Configuration
- Robust Design
- Integrated electrical grounding
- Cable access openings with gland plates
- Simple selection
- Equipment mounting rails
- Mounting hardware provided
- Eyebolt support integrated into enclosure frame
- Quick-release doors
- Lockable side panels

SPECIFICATIONS

Vertical Post	14 Gauge (19" Angles)
Front Door	18 Gauge
Maximum Mounting Depth	687 mm
Rear Door	18 Gauge
Minimum Mounting Depth	150 mm
Roof	20 Gauge
Protection Class	IP20
Load Capacity	850 kg
Side Panels	20 Gauge
Color	Black
Shipping Depth	835 mm
Net Weight	100 +/- 5 kg
Height	42U
Type	Assembled
Shipping Weight	112 kg
Maximum Height	2119 mm
Shipping Height	2230 mm
Maximum Depth	800 mm
Maximum Width	600 mm
Shipping Width	635 mm

MEDIA CONVERTER
RAKK 2U14



DESCRIPTION

The Rakk 2U14 Media Converter Chassis is a professional-grade rackmount solution designed to house up to 14 independent media converters in a single, centralized unit. Built to simplify the management of fiber-to-Ethernet conversions, this chassis supports hot-swappable modules and is ideal for telecom rooms, data centers, or enterprise-level network hubs.

- **Centralized Converter Housing**: Organizes multiple media converters in one unit. Reduces clutter and simplifies cabling in network racks.
- **Power Redundancy Built-In**: Two power supply units help prevent downtime. Automatically switches to backup if the primary fails.
- **Efficient Cooling System**: Integrated fans protect components from overheating. Supports continuous operation even under high workloads.
- **Hot-Swappable Convenience**: Swap media converters without powering down the chassis. Perfect for growing networks and fast maintenance.

FEATURES

Model	Rakk 2U14
Form Factor	2U Rackmount
Slots	14 Hot-Swappable Media Converter Bays
Compatibility	Standard fiber or Ethernet media converters (external type)
Power Supply	Dual 220V AC inputs (redundant design)
Cooling	2 x Built-in DC Cooling Fans

Input Voltage	AC 100~240V, 50/60Hz
Power Output Per Slot	5V or 12V (varies by converter requirement)
Rack Size Compatibility	Standard 19-inch rack
Material	Metal enclosure with EMI shielding

TARATEL
TELECOM SUPPLIES TRADING

FIBER TOOLS



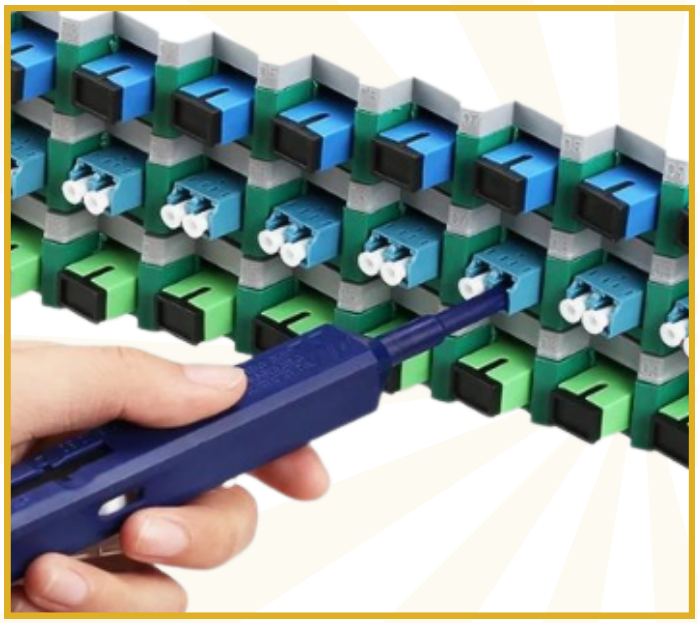
FIBER OPTIC CLEANER PEN

FOR LC CONNECTORS



FEATURES:

- Manual Operation
- Lightweight Design
- Effectively reduces loss
- Up to 800 cleaning times
- Suitable for 1.25mm (LC/MU)

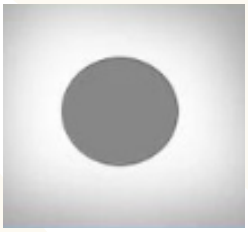




Designed for reliable and long-term use, the product helps prevent secondary pollution caused by dust and debris, keeping the equipment cleaner and more protected during operation



BEFORE



AFTER

FIBER OPTIC CLEANER PEN

FOR SC CONNECTORS







FEATURES:

- Manual Operation
- Lightweight Design
- Effectively reduces loss
- Up to 800 cleaning times
- Suitable for 2.5mm (SC/FC/ST)

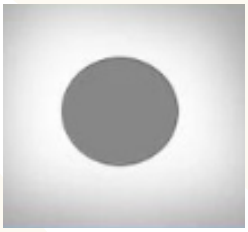




Designed for reliable and long-term use, the product helps prevent secondary pollution caused by dust and debris, keeping the equipment cleaner and more protected during operation



BEFORE



AFTER

THERMAL FIBER STRIPPER

COMWAY CS-06



SPECIFICATIONS

Model	CS-06
Applicable Fiber	Bare fiber/Pigtail/Invisible fiber
Number of stripped fiber	Bare fiber: 1-36 cores/ Pigtail fiber: 1 core/Invisible fiber: 1-12 cores
Cladding Diameter	125μm
Coating Diameter	200-400μm
Stripping Length	Up to 30mm
Power Mode	Normal Mode/Power Save Mode
Temperature Setting	Approx. 90°C/100°C/110°C/140°C
Heating Time	Normal Mode:Approx. 4s/ Power Save Mode: Approx. 5s
Battery Capacity	Lithium ion battery 7.4V 2000mAh
Endurance	A single full charge can be continuously stripped for approx. 660
Power Supply	USB Type-C (5V-20V, Max.20W)
Operating Condition	Temperature: -10°C -40°C/ Humidity: 0%-95%
Dimensions	108L x 48W x 32H (mm)
Weight	290g

OPTICAL FIBER IDENTIFIER with VISUAL FAULT LOCATOR



- Four in One Universal Fixture
- Three signal frequencies can be identified
- Ergonomic Design
- Micro Bending Test Technology
- Hidden red light source / led lamp

10mw VFL

Direction Indication

270/1k/ 2kHz

Power Display

Automatic Shutdown

MICRO BENDING TEST TECHNOLOGY

Accurate identification of optical fiber direction

When there is signal in the optical fiber, the left and right direction lights show the signal direction

When the left direction light is on, the light source is form from right to left



THREE SIGNAL FREQUENCIES CAN BE IDENTIFIED

It can Recognize 270Hz / 1kHz / 2kHz signal frequency

There Is a beep when identifying the frequency



FOUR IN ONE UNIVERSAL FIXTURE

Suitable for 3.0 / 2.0 / 0.9 / 0.25mm optical fiber line











Press down to clamp the fiber optic cable

ERGONOMIC DESIGN

When holding the machine in hand, press the back trigger switch with the index finger.

Clamp the optical fiber line and start the test automatically



Use two AA batteries

HIDDEN RED LIGHT SOURCE / LED LAMP

Stable, strong and powerful beam concentration, effectively cooperate with line detection



10mw VFL

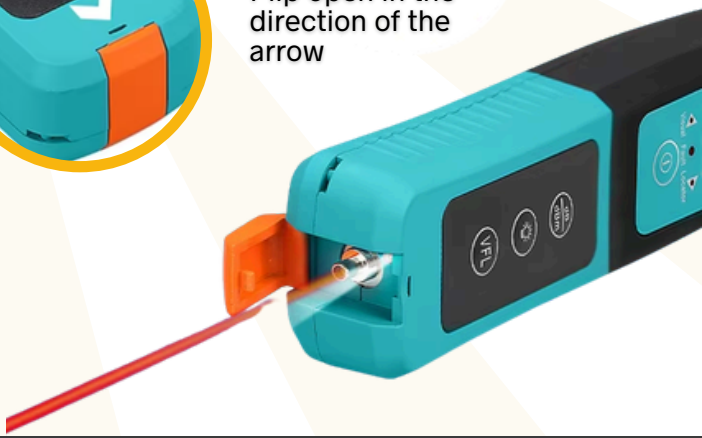


LED Light

(Long press the VFL button to turn on the LED light)



Flip open in the direction of the arrow



PRODUCT PARAMETERS



HONSERV HSV-200
Fiber Identifier with Visual Fault Locator





- Easy-to-use with “ONE KEY” operation.
- Efficiently identifies the traffic direction and frequency tone. (270Hz, 1KHz, 2KHz) with audible warning.
- Displays the relative core power.
- More accurate test with Sunshade.





Fiber Identifier:
Insert the fiber into the adapter head, then gently push the clamp button upward until it locks to secure the fiber for testing.



Buttons:
Press the blue light bulb button to turn on the flashlight. Press the orange VFL button to activate the laser.



Visual Fault Locator:
Clean the ports carefully, then insert the fiber under test into the VFL port located next to the flashlight.

PRODUCT PARAMETERS



SPECIFICATIONS

Type	HSV-200	
Identified Wavelength Range	800-1700 nm	
Identified Signal Type	CW, 270Hz±5%，1kHz±5%，2kHz±5%	
Detector Type	Ø1mm InGaAs 2pcs	
Adapter Type	Ø0.25 (Applicable for Bare Fiber)， Ø0.9 (Applicable for Ø0.9 Cable)	
	Ø2.0 (Applicable for Ø2.0 Cable), Ø3.0 (Applicable for Ø3.0 Cable)	
Signal Direction	Left & Right LED	
Singe Direction Test Range (dBm, CW/0.9mm bare fiber)	-46~10(1310nm)	
	-50~10(1550nm)	
Signal Power Test Range (dBm, CW/0.9mm bare fiber)	-50~+10	
Signal Frequency Display (Hz)	270, 1k, 2k	
Frequency Test Range (dBm, Average Value)	Ø0.9, Ø2.0, Ø3.0	-30~0 (270Hz,1KHz)
		-25~0 (2KHz)
	Ø0.25	-25~0 (270Hz,1KHz)

OPTICAL FIBER IDENTIFIER



DESCRIPTION

Optical fiber identification instrument is a kind of rapid and accurate identification of optical fiber route without damaging the optical fiber or interrupting communication, indicating whether there is an optical signal passing through the optical fiber and the direction of the optical signal, and displaying the relative optical power value



SPECIFICATION

product name	Optical Fiber Identifier
Wavelength recognition range	800-1700nm
Identify signal type	Cw, 270HZ ±5%, 1KHZ ±5%, 2KHZ ±5%
Adapter type (mm)	ϕ0.25 for bare fiber 0.9/2.0/3.0 for pigtail
Signal direction	Left and right LED indication
Optical signal frequency	270Hz, 1KHz, 2KHz LED indicator display
Dimensions (mm)	195x30x27mm
Weight (g)	357g



Four fiber types can be identified.
Suitable for 3.0/2.0/0.9/.25mm optical fiber

FEATURES

- Digital display of relative optical power in the fiber
- Portable style, can distinguish the direction and frequency of without interrupting the fiber
- Adopt "one-touch" operation mode to make operation simple and convenient
- Provide corresponding adapter head for bare fiber and multiple pigtails
- Can identify 3 commonly used signal frequencies, namely 2KHz, 1KHz, 270H



VISUAL FAULT LOCATOR

DESCRIPTION

A handheld tool that uses a visible red laser light to identify and locate faults, breaks, or damage in fiber optic cables.



FEATURES

- Available in: 10mW, 20mW, and 30mW
- Common interface 2.5mm (FC, SC, ST)
- Strong light pen & stable light source
- Strong penetrating power
- High performance laser chip
- Long battery life
- Metal pen body



REPLACEABLE ACCESSORIES



Strong Light

Breakpoint Location

Long Life

Metal Pen Body

Light Stability

Common Interface

Good Laser

One Key Operation

Pulse Continuous Wave













TECHNICAL PARAMETER

Model Number Suffix	1	10	15	20	25	30
Output optical power	>1mW	>10mW	>15mW	>20mW	>25mW	>30mW
Output wavelength	650nm ± 10nm					
Fiber optic adapter	universal connector					
Use temperature	0-+60 centigrade					
Storage temperature	-20-+70 centigrade					
Battery type	AAA					
Battery life	>40h	>12h	>10h			
Appearance	175mm *26mm *26mm					
Weight	160g					



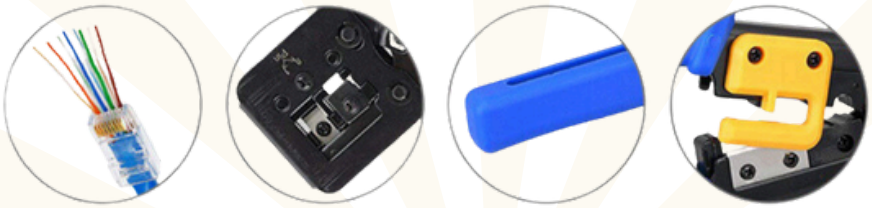
RJ45 CRIMPING TOOL

FEATURES

- Fast, reliable crimp tool with steel body for durability with ergonomic comfort grips
- Precision Crimping dies was made if high-carbon steel for Any Ethernet or Telephone Cable
- Cuts, strips and cramps Twisted Pair, Ethernet, RJ45 voice and data cables
- Professional tool Crimps RJ45, RJ11, RJ12 and RJ22 modular connectors
- Ratchet safety-release and a blade-guard on cutting and stripping knives reduce risk of injury



for RJ11/12
and RJ45 wires



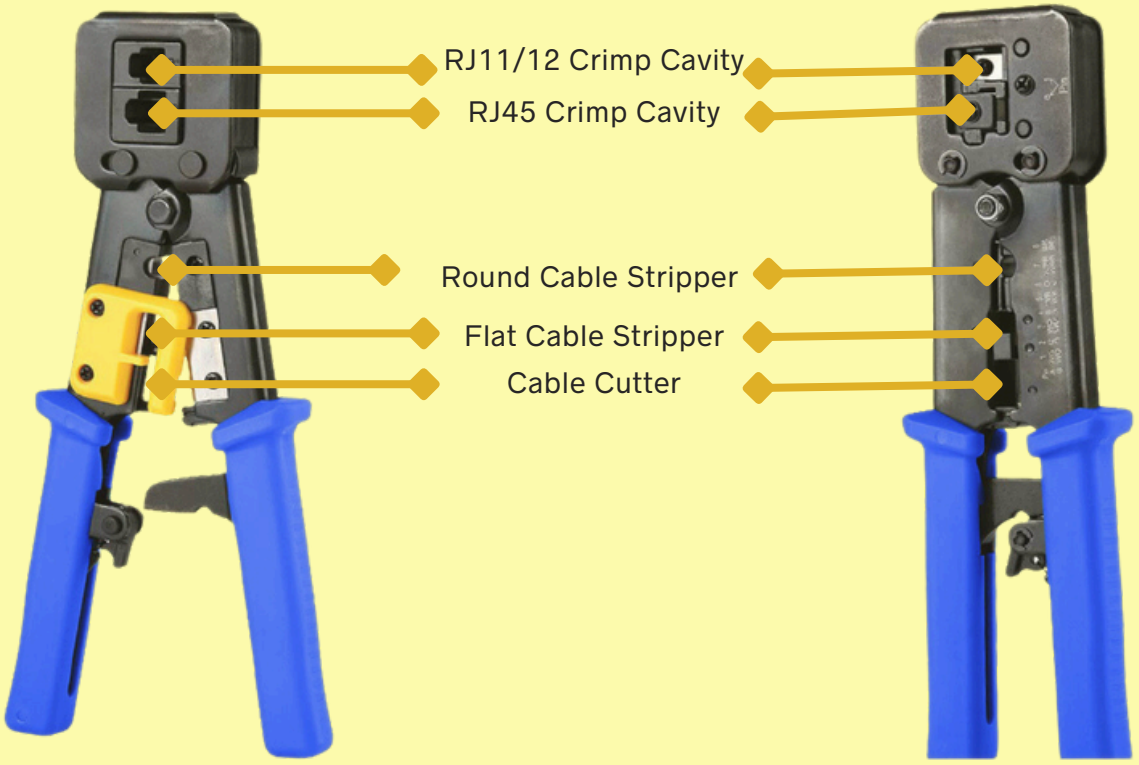
SPECIFICATION

Dimensions	26.97 x 10.39 x 3.28 cm
Weight	517 grams
Color	Blue
Style	Crimp Tool
Material	Stainless Steel
Pattern	Crimp Tool

Versatile RJ45 Crimp Tool

Lets you cut, strip and crimp (CAT6, CAT5/5e) and telephone cables, Compatible with all RJ45 CAT6 connectors (including shielded), RJ45 CAT5e connectors, and RJ12 connectors





Best Tool Kit Ensures Best Value for Money

By Purchasing RJ45 BLUE Crimping tool you can get 5 Crimp Replacement Blades with RJ 45 crimper.



20 Pack RJ45 CAT6 Pass Through Connectors

CAT6 RJ45 Pass Through Connectors make cable termination fast, easy and convenient.



FIBER MICROSCOPE



LENGTH : 225mm
WIDTH: 32mm
WEIGHT: O.5kg

DESCRIPTION

For critical inspection of fiber optic terminations and cleaved fibers, the Hand Held Fiber Microscope is an indispensable tool. It offers a magnified view of the fiber end faces and splices, revealing even the finest details of scratches and contamination. This exceptional performance is achieved through coaxial illumination (CL) technology and integrated laser safety filters.

The CL fiber microscope utilizes coaxial illumination, channeling light directly onto the fiber end-face for superior detail. This technology reveals even the finest scratches and contamination. For optimal assessment of polish quality, we strongly recommend using this specific microscope.

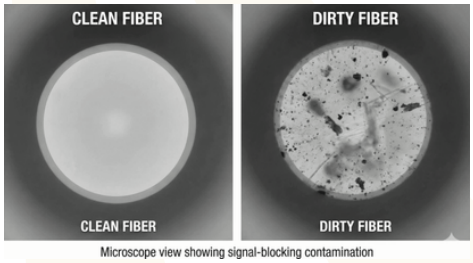
SPECIFICATION

Rubber Housing	Anti-slip
Optical Magnification	400x
Power source	3 x AAA batteries (not included)
Light Source	White LED, rated for 100,000 hours
Weight	0.5 Kg
Size	225mm (8.76") L x 32mm (1.25") Diameter
Controls	Momentary on/off switch for light source, Fine Focus control wheel
Safety Filter	Built in IR filter
Adapter Interface	User interchangeable adapters

FEATURES

- With CE APPROVAL
- LED illumination
- Versatile adapter interface
- Clear bright images
- Smooth focus control
- Momentary push button on/off switch
- Laser filter installed for eye protection
- It comes with a universal adapter (2.5mm) and compatible with ST, FC, SC, E2000, and 2.5mm DIN





Microscope view showing signal-blocking contamination



ADAPTER RING

BACKLIGHT WINDOW





BATTERY COMPARTMENT



FOCUS ADJUSTMENT

EYEPIECE

ON/OFF SWITCH







MJ-868 WIRE TRACKER



DESCRIPTION

This tool enables fast and accurate wire tracking without damaging the insulation, even when wires are connected to active Ethernet devices like switches, routers, or PCs. It supports RJ11, RJ45, and other metal wires through the use of an adapter. Designed for noisy environments, it includes earphones that provide clear signal detection. An adjustable volume knob allows users to fine-tune the sound for precise identification.

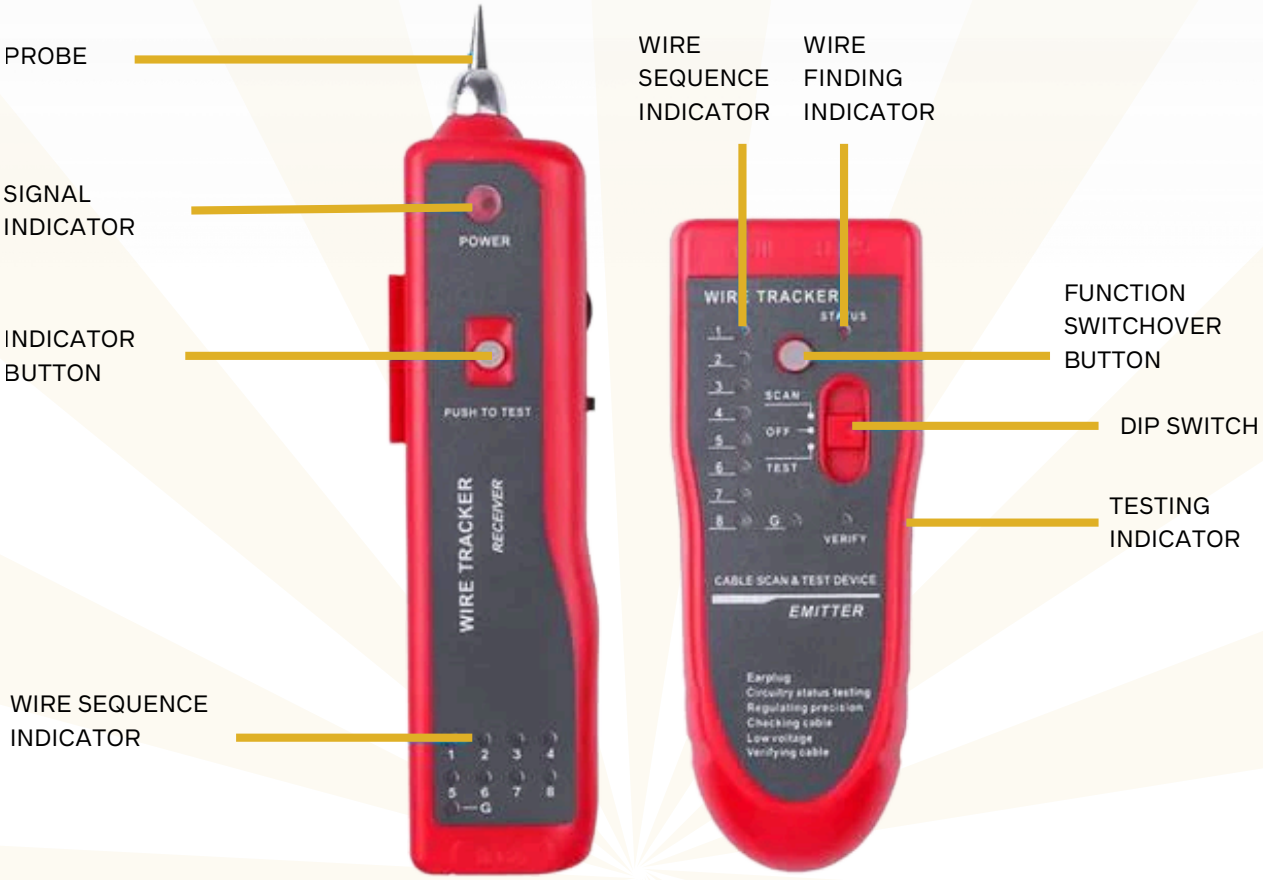
For added convenience, the device features a built-in LED spotlight, making it easy to work in dim or dark areas. Its energy-saving inching switch automatically shuts off the power when not in use. The unit is equipped with 16 LED indicators that clearly display the status of open circuits, short circuits, and miswirings. An automatic scan mode further enhances efficiency, ensuring quick and reliable cable testing.

FEATURES

- Fast to locate the breakpoint without wire's cover damage
- Perfect for tracking RJ11, RJ45, cables or other metal wire (via adapter)
- Volume adjusting function
- Energy-saving
- Find wire on all types of connected operating Ethernet switch /Router/PC terminal.
- Spotlight function
- Automatic scan mode, rapidly testing



PRODUCT PARAMETERS







PACKAGE



EMITTER



RECEIVER



STORAGE BAG



EARPHONE



2PCS BATTERY



CABLE WITH
CROCODILE CLAMP



RJ45 CABLE

RJ11 CABLE



INSTRUCTION
MANUAL

SPECIFICATION

Item	Specification	
Product Name	Wire Tracker	
Power Supply	DC, 9V battery	
The max working current	Emitter	≤10mA
	Receiver	≤30mA
Signal transmission format	Multi-frequency impulse	
Signal output electric status	8Vp-p	
Distance of signal transmission	≥ 2 km	
Appearance dimension	Emitter	130 x 57 x 29, mm
	Receiver	204 x 42 x 30, mm
	Whole set	270 x 168 x 48, mm
Weight	Emitter	0.070kg
	Receiver	0.085kg
	Whole set	0.443kg

YOKOGAWA DIGITAL EARTH TESTER

EY200



DESCRIPTION

EY200 is an earth resistance tester for testing power distribution lines, in-house wiring system, electrical appliances etc. The earth resistance tester by Yokogawa also has an earth voltage range for earth voltage measurement.

FEATURES

- Designed to safety standard IEC 61557
- Reference to IEC 60529: Degrees of protection provided by enclosures (IP54). Measurement can be made even under adverse weather conditions
- Large, easy-to-read LCD digital display
- 2P Test leads (for simplified measurement) has a structure that both the safety alligator clip and the test probe are available
- Warns when earth resistance of auxiliary earth spikes exceeds the permissible limit
- Convenient carrying soft bag for accessories etc.
- 3-Pole Earth Resistance Measurement (Precise Measurement)

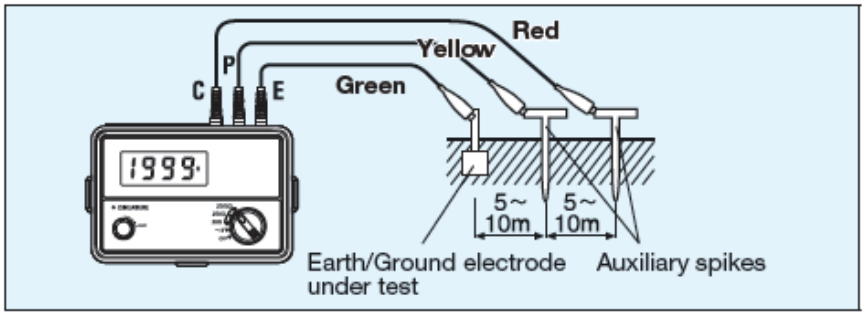
STANDARD ACCESSORIES

1. Earth Spikes
2. 3-Pole Test Lead
3. Soft carrying case
4. 2-Pole Test Lead Set
5. Shoulder Belt



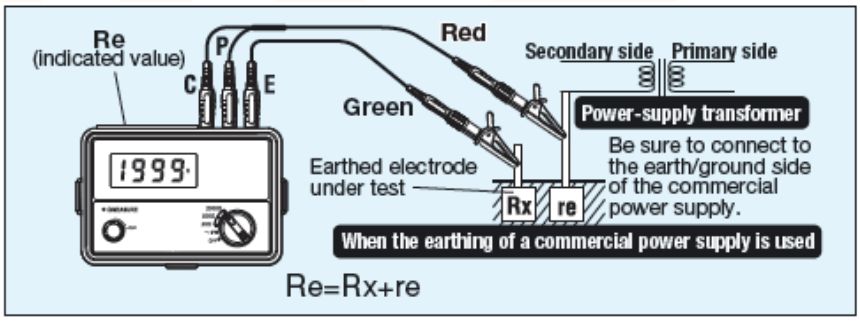
3-pole earth resistance measurement
(precise measurement)

Connect the earth/ground electrode (E) and auxiliary spikes (P, C) to the main body using the accessory test lead. Put apart 5 to 10 m between E and P, and P and C, respectively. E, P, and C should be approximately in a line.



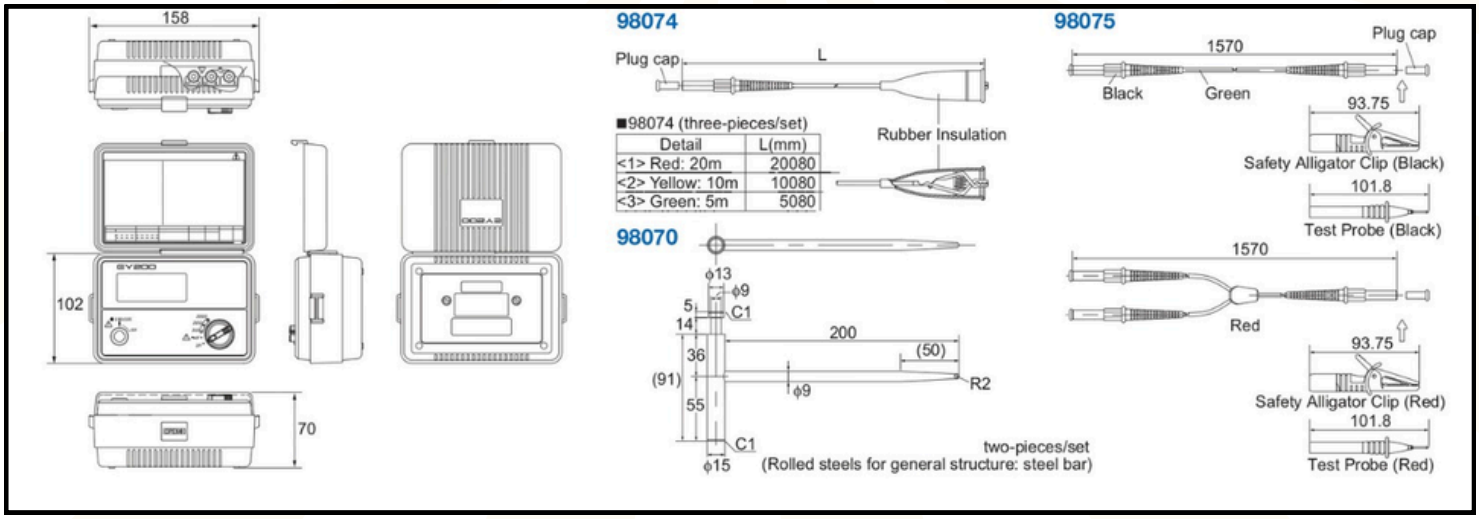
3-pole earth resistance measurement
(simplified measurement)

A simplified 2-pole measuring method can be used if there is an almost perfectly earth/ground object such as a lead or iron water-pipe (plastic pipes cannot be used) or if there is an object with a known value of earth resistance, near the measurement site.



Extra Dimensions

unit: mm



SPECIFICATIONS

Digital Earth Tester	EY200
EY200 General Specifications	
Display	LCD Digital Display:1999-count digital reading
Measuring Range	Earth Resistance: 200092 LSD:0.01 to 19 Earth Voltage: 200V
Accuracy	Earth Resistance: 20 range: ±2%rdg+0.10 200 range: ±2%rdg+3dgt 2000 range: ±2%rdg+3dgt Earth Voltage: ±1%rdg±4dgt
Measuring Frequency	Approx. 820Hz
Measuring Current	Approx. 3mA (at 209 range)
Battery Life	Approx. 4.5hours (at 5 second measuring 3300 times)
Operating Temp. and Humidity	0-40°C, 85% Rh or less
Dimensions	Approx. 105x158x70mm
Weight	Approx. 550g
Standard Accessories	3-pole Test Lead (Model 98074), Earth Spikes (for EY200) (Model 98070), 2-pole Test Lead Set (Model 98075), Soft Case (Model 93041), Shoulder Belt (for EY200) (Model 99018), Six AA (R6) dry cells, User's manual

INTEGRATED 2 IN 1 SMOKE TEMPERATURE TESTER



DESCRIPTION

The smoke temperature tester is a fire detection device capable of conducting maintenance, testing, and safety inspections for various smoke and temperature-type fire detectors. It integrates smoke and temperature detection, allowing simulated tests to ensure reliability. The device is applicable for fire safety inspections, maintenance, and engineering tasks.

Utilizing electronic atomizing and fuming technology, the tester employs an environmentally friendly vaporization liquid that prevents soot and residue buildup. Its fuming technology has passed fire safety and environmental protection certifications. Additionally, electronic energy conversion technology enables a rapid temperature increase, quickly triggering the temperature detector's alarm threshold.

PRODUCT MODEL

ABS-YW10

TYPE OF TEST

Smoke detector
Temperature detector

MATERIAL

Aluminum alloy box
Detector material stainless steel

STANDARD LENGTH

2.5m (If you need to lengthen, you can buy a connecting rod)



PRODUCT COMPOSITION



1. Packing Box
2. Tester
3. Connecting Rod
4. Battery Rod
5. Smoke Liquid
6. Hexagon Wrench
7. Charger
8. Injector

INSTRUCTIONS

1.Charging: Plug the dedicated power charger to the power port. After the device is fully charged, the charger indicator lights will change from red to green.

2. Absorb liquid for vaporization: Absorb a proper amount of liquid with the injector.

3.Disassembly of sealing screw: Rotate and remove screw counterclockwise and seal it clockwise.

4.Injection of liquid for vaporization: Insert the needle of the injector into the opening and press 2-3 ml.

5.Observation port of liquid level: Observe the height of liquid with in the liquid level chamber.

6.Connection: Select the number of connecting rods according to the height and rotate to connect the tester and connecting rods clockwise or dissemble counterclockwise.

7.Function switch: Three-position switch, "temperature detection" for the upper level, "wind-blowing" for the middle level and "smoke detection" for the lower level.

8.Liquid for vaporization: Electronic atomizing and fuming medium.

9. Smoke test: Toggle "function switch" to "smoke detection" level, align smoke detector, press "launch switch" to eject smoke from the ejector and start the smoke detector test.

10.Temperature test: Toggle "function switch" to "temperature detection" level, align smoke detector and press "launch switch" to eject hot wind from the ejector and start temperature detection test.

PRECAUTIONS

1. If the product contains combustible gases, it should be placed in shady places below 30°C.
2. The first charging of battery rod (relay device to be purchased separately) should not be fewer than 8 hours.
3. As the body of the gun is made of stainless steel, it should be distanced from the electrified body in use.
4. As the head of the gun is made of anodizing aviation aluminum, it should be distanced from the electrified body in use.
5. Devices idle for a long time should be charged once a month.
6. Test temperature detector. Normally, a small amount of smoke will be released form the public output port of smoke detection.
7. During the smoke detector test, the test time is suggested to be 3-5 seconds and alarm can be issued after the end of routine inspection of hosts.
8. 2ml-3ml liquid for vaporization is injected before usage.

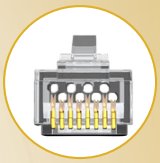
PRODUCT PARAMETERS

Battery voltage:	DC7.4V,2200MA/H
Charger output:	DC8.4V, 1000MA
Oil chamber capacity	3ML
Number of smoke detectors to be tested when the battery is fully charged:	450-800
Number of heat detectors to be tested when the battery is fully charged	> 400
Smoke source	environmental-friendly liquid for vaporization
Temperature source	electronic heating
The total length of the tester	2.5m
Materials of the tester	aluminum
Materials of the connecting rod	stainless steel
Materials of package box	aluminum

RJ45 CAT6 PASSTHROUGH ETHERNET CONNECTOR

- Technicians can easily verify proper wiring order by easily viewing color coding
- Simplifies twisted pair termination by allowing the wires to inserted through connector and out the front
- Optimized for HIGH PERFORMANCE
- Reduces distance between the wire twists and contacts resulting in improved performance.





Doublr row Jack Passthrough

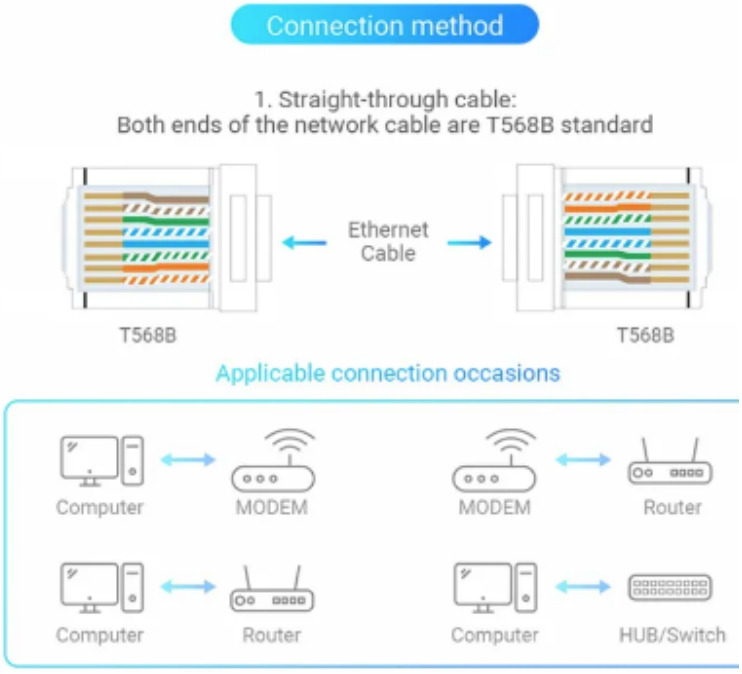


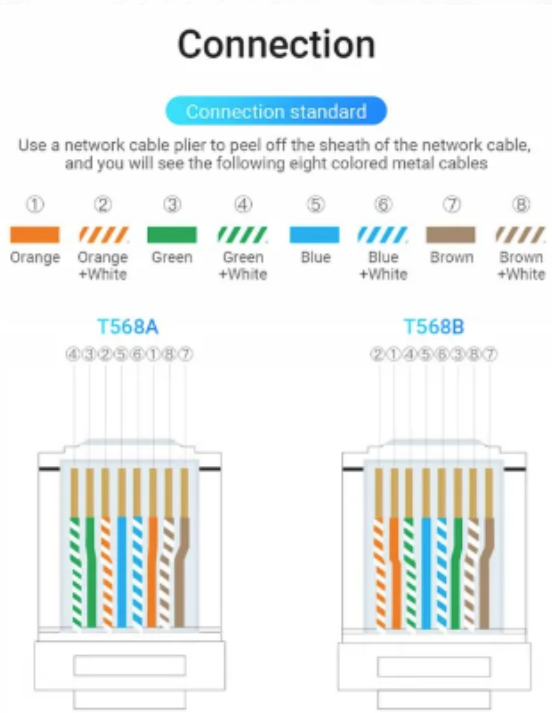
FTP Passthrough



Oxygen-free Copper Trident

SPECIFICATIONS





TC-700
PIPELINE DETECTOR

DESCRIPTION

The TC-700 pipeline detector is designed for locating underground infrastructure such as power cables, communication fiber optics, railway signal cables, gas lines, oil pipelines, water mains, and municipal water and drainage systems. It supports functions like ground fault detection, pipeline route and depth mapping, cable tracking and identification, and facilitates cable management, emergency repairs, and maintenance operations.



The TC-700 pipeline detector is ideal for trenchless inspection, detection, monitoring, management, and maintenance of various underground pipelines. It is widely applicable in fields such as municipal planning and construction, power distribution, water supply, fire protection systems, and optical cable routing. The device offers precise positioning and accurate data, supporting engineering teams in their field operations.

OPTIONAL FUNCTIONS



Obstacle detection and location	In conjunction with the A-frame, it enables precise location of cable grounding faults
Stethoscope	It can replace flexible coils for cable identification
Non-metallic tubing Path detection	Optional tracer probe for path detection of non-metallic pipes

COMMON APPLICATION SCENARIOS

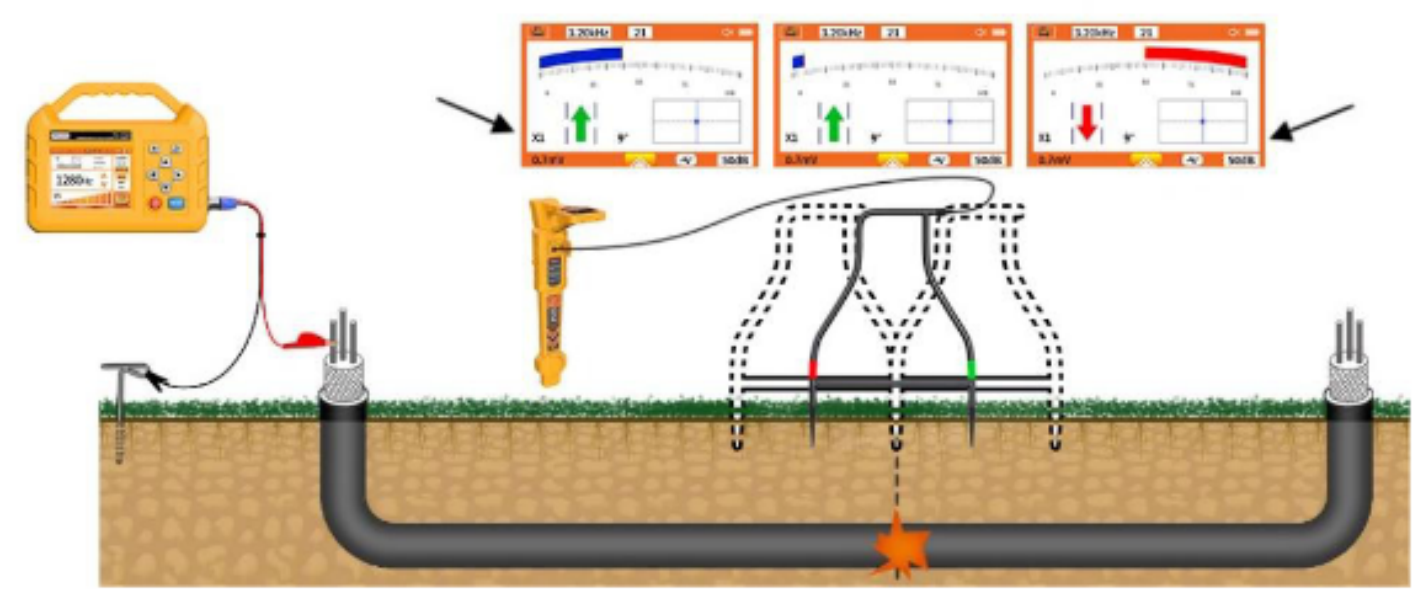
- Railway Industry
- Trenchless Industry
- Gas Industry
- Surveying and Mapping Industry
- Oil and Gas Field Industry
- Water Industry
- Communication and Power Industry
- Municipal Industry

The TC-700 pipeline detector is suitable for the cable checking , cable detection, cable patrol, management and maintenance of various underground pipelines in a trenchless manner, such as municipal planning and construction, power supply, tap water, fire pipelines, optical cables and pipeline path detection, providing precise positioning and accurate data for engineering personnel.



RECEIVER SPECIFICATIONS

Functions	Pipeline detection (location, direction, depth, current), cable identification, probe location, ground fault location
Power	7.4V DC 6400mAh rechargeable lithium battery
Input Method	Built-in coil; external flexible clamp or A-frame.
Receiving Frequencies	Active: Active detection frequency: 128Hz, 512Hz, 577Hz, 640Hz, 1024Hz, 1280Hz, 2.56kHz, 3.20kHz, 4.09kHz, 8.19kHz, 9.80kHz, 10kHz, 33kHz, 66kHz, 82kHz, 83.1kHz, 133kHz, 201 kHz (The four frequencies of 640Hz, 1280Hz, 2.56kHz and 3.20kHz have directionality, and the receiver can identify the direction of the signal), Power frequency passive detection frequencies: 50Hz, 60Hz
Detection Modes	Wide peak, narrow peak, sound valley
Display Modes	Classic positioning, full-screen signal, signal curve, probe mode
Detection Range	Direct connection: 0-20km; Coupling method : 0-10km; Induction method: Suitable for cables buried <2m depth
Depth Accuracy	±5% (0-3m) to +15% (3-20m) ±5% (Burial Depth 0-3m)-15% (Burial depth3-20m)
Audio Indication	FM tone varies with signal strength
Interference Distance	Pipelined detection: Coulping method ≥5m; Induction ≥20m from transmitter
Cable Identification	Coulping method ≥5m from transmitter
Cable Identification	1-10 cables; identification valid if current is 75% -135% of reference, The transmitting clamp,receiving clamp and loading signal must be in the same direction
Display	4.3" color LCD with touch support
Size / Weight	311x133×750 mm; 2.0 kg
Charger	DC 8.4V, 1A
Interfaces	USB, DC, Type-C, Flexible clamp socket



TRANSMITTER SPECIFICATIONS

Functions	Multiple frequency signal transmission methods for Pipeline path detection, cable identification, and fault location
Power	11.1V DC 12800mAh rechargeable lithium battery
Output Method	Direct output, Induction, Clamp coupling
Output Frequency	128Hz,512Hz,577Hz,640Hz, 1024Hz, 1280Hz,2.56kHz,3.20kHz,4.09kHz, 8.19kHz,9.80kHz, 10kHz,33 kHz,66kHz,82kHz,83.1kHz,133kHz,201kHz
Output Power	Max 15W; 15 levels adjustable; fully automatic real-time Impedance matching
Display	5.6" capacitive touch LCD screen
Size/Weight	259×211×105 mm; Transmitter 3.0kg; Clamp 1.12kg
Charger	DC12.6V,1A
Launch Clamp Size	L250mm*W140mm*H35mm, 150mm of inner diameter

Connecting Interfaces	USB, Type-C, DC, Signal transmitter pliers and DC test lead connect to the socket
Withstand Voltage	AC 3700V/RMS
Electromagnetic characteristics	IEC61326(EMC)

STANDARD PACKAGE LIST

1.Receiver with capacitive touch LCD screen
2.Transmitter OEM with capacitive touch LCD screen
3.Flexible current clamp
4.Launch clamp
5.Grounding wire clamp
6.Charger and adapter
7.Grounding pin
8.User guide


1


2

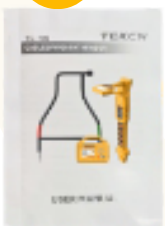

3


4


5


6


7


8

OPTICAL FIBER STRIPPER



DESCRIPTION

- This Optical Fiber Stripper (3-Port Type) is a high-precision tool designed for fast, clean, and safe stripping of optical fibers without causing any damage to the glass core. Made of durable stainless steel, it features three precision stripping ports for different fiber layers—outer jacket, buffer, and coating—ensuring efficient and accurate operation every time. Its spring-loaded mechanism allows smooth, effortless use, while the ergonomic comfort-grip handles provide excellent control and reduced hand fatigue during long hours of work. Pre-set and factory-calibrated, this tool requires no manual adjustments, making it reliable and ready to use straight out of the box.

FEATURES

- Made of stainless steel
- 3 Ports
- Spring-loaded mechanism
- With accurate aperture
- Fast stripper without damaging optical fiber
- Pre-set at the factory -no adjustments needed
- Comfort-grip, ergonomic handles



OPTICAL FIBER STRIPPER

FOR 125 MICRON FIBER





DESCRIPTION

This 3-port fiber optic stripper is designed for 125µm fiber, featuring a durable stainless steel build, non-slip ergonomic handle, and reliable blades for fast, clean, and damage-free stripping of jacket, buffer, and coating layers. Reliable, efficient, and ready to use.

FEATURES

- Made of stainless steel
- 3 Ports
- Spring-loaded mechanism
- With accurate aperture
- Fast stripper without damaging optical fiber
- Pre-set at the factory -no adjustments needed
- Comfort-grip, ergonomic handles







PT-E110VP
LABEL PRINTER

DESCRIPTION

Create professional and durable labels with ease using the built-in QWERTY keyboard and dedicated labeling functions. The easy-to-read LCD screen allows for convenient label creation and editing, making it ideal for office, industrial, and field applications. It supports printing on high-quality TZe laminated labels up to 12mm wide, ensuring long-lasting and clear identification. A variety of specialist tapes are also available, including Strong Adhesive and Flexible ID labels for demanding environments. With print speeds of up to 20mm per second and a built-in manual cutter, label production is both fast and efficient.



FEATURES



Comes with a graphical LCD for quick print preview before print.



Comes with dedicated keys to easily create Cable flag, Cable wrap, Patch panel, Equipment and Faceplate ID labels.



Print up to 20mm per second fast print speed.

ETCR2100A+
CLAMP EARTH RESISTANCE TESTER

DESCRIPTION

The ETCR Series Pincers Earth Tester allows accurate grounding system measurements using loop current without the need to disconnect grounding wires or use auxiliary electrodes, making it a safe, fast, and easy-to-use solution. It can detect faults that traditional methods may miss and is suitable for applications beyond their limitations. This tester measures both the combined resistance of the grounding body and the grounding lead, providing reliable results in one reading. It also features a long jaw design, making it especially effective for grounding setups that use flat steel.



Instrument safety	IEC/EN61010-1, IEC/EN6010-2-032
Insulation	double insulation
Pollution degree	class II
Overvoltage category	CAT III 150V to ground, Max 20A
Degrees of protection:	-IP30, Group III equipment as per EN 60529 Ed 92 -IK04, as per EN 50102 Ed 95

Dimensions(L×W×H):	-Long elliptic jaw: 285mm×90mm×66mm; (11×4×3 inches) -Round jaw: 260mm×90mm×66mm;(10×4×3 inches)
Span of Jaw	Long elliptic jaw 35mm; round jaw 32mm
Weight (including batteries)	Long elliptic jaw-1160g, Round jaw-1120g
Battery type	4 ×1.5V alkaline LR6 AA battery
Internal consumption	<50mA
Auto Power off	after 5 minutes of idleness
Display	4 LCD, sign, decimal point and backlight
Memory size	99 Units of Reading
Environment (Temperature & Relative Humidity)	-Working: -10°C~55°C, 10%RH-90%RH -Storage: -20°C ~60°C, below 70%RH
Range shift	Full range automatic shifting
External magnetic field	<40A/m
External electric field	<1V/m
Data upload interface	RS232 (Optional)

PRODUCT STRUCTURE



1. Round Pincer Jaw: φ32mm
2. HOLD Key: lock / Release display / Storage
3. Trigger: to control opening and closing of jaw
4. AL Alarm Function Key: Alarm Open / Turn Off / Alarm Critical Value Setting
5. POWER Key: Boot Up / Shutdown /*Quit /Clear Data
6. Resistance Measure Switch Key Ω (Right Arrow Key)
7. MEM Key: Data Access / Clear Data
8. *Current Measure Switch Key A (Left Arrow Key)
9. Liquid Crystal Display (LCD)

RANGES & ACCURACY OF MEASUREMENT

Mode	Range	Resolution	Accuracy
Resistance	0.010Ω-0.099Ω	0.001Ω	±（1%+0.01Ω）
	0.10Ω-0.99Ω	0.01Ω	±（1%+0.01Ω）
	1.0Ω-49.9Ω	0.1Ω	±（1%+0.1Ω）
	50.0Ω-99.5Ω	0.5Ω	±（1.5%+0.5Ω）
	100Ω-199Ω	1Ω	±（2%+1Ω）
	200Ω-395Ω	5Ω	±（5%+5Ω）
	400-590Ω	10Ω	±（10%+10Ω）
	600Ω-880Ω	20Ω	±（20%+20Ω）
	900Ω-1200Ω	30Ω	±（25%+30Ω）
*Current (True-RMS)	0.00mA -9.00mA	0.05mA	±（2.5%+2mA）
	10.0mA -99.0mA	0.1mA	±（2.5%+10mA）
	100mA -300mA	1mA	±（2.5%+20mA）
	0.30A-2.99A	0.01A	±（2.5%+0.1A）
	3.0A-9.9A	0.1A	±（2.5%+0.5A）
	10.0A-20.0A	0.1 A	±（2.5%+1 A）

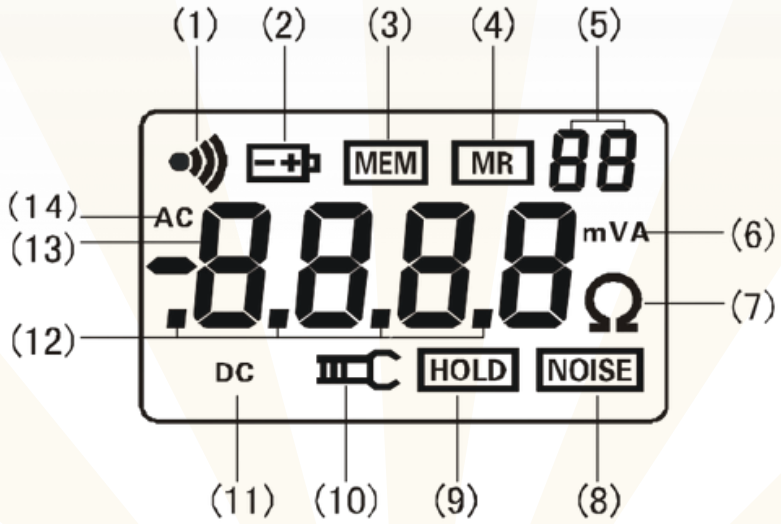
Resistance Measurement Frequency: >1KHz

Measured Current Frequency: 50Hz/60Hz

Setting Range of Resistance Alarm Critical Value: 1Ω-199Ω

*Setting Range of Current Alarm Critical Value： 1mA -499mA

LIQUID CRYSTAL DISPLAY



(1). Alarm Symbol

(2). Symbol of low battery & voltage

(3). Symbol of full data storage

(4). Symbol of data access

(5). 2-Digital No. Of Data Storage Unit

(6). Current unit

(7). Resistance unit

(8). Noise signal

(9). Data lock symbol

(10).Symbol of an open jaw

(11). Symbol of DC

(12). Metrication decimal point

(13). 4-digital LCD figures display

(14). Symbol of AC

ISP TOOL KIT

TC-022



Kevlar electricians scissor



Lineman's plier



Cutting Plier



Long nose plier



Fiber optic stripper



Optical power meter



Knife



Cross screwdriver

TC 022





Visual fault locator



Fiber cleaver



Drop cable stripper



Fiber guide rail for fast connector



Measuring tape



Delicate task wipers



Alcohol bottle



Cotton swab



Storage box

FTTH TERMINATION TOOL KIT

TC-023



Visual fault locator



Fiber cleaver



AAA Battery





Optic fiber stripper



TC-100 Optical Power Meter



Drop cable stripper

TC-023



Fiber guide rail for fast connector



Alcohol bottle



Carrying Bag

FIBER CLEANING TOOL KIT

TC-024



Standard Accecories:
Inspection Probe x 1
Mainframe x 1
AC power adapter/battery charger x 1
Rechargeable battery pack X 1
2.5mm tip for PC male connector x 1
1.5mm tip for PC male connectors x 1
Tip for SC/FC PC female connectors x 1
Tip for LC PC female connectors x 1
Tip box x 1
User Manual x 1
Carrying Bag x 1

- 3.5-inch FT color display
- Well-centered, high resolution image
- Image captured and storage
- Instant video recording
- 250x Magnification
- 4x Digital zoom
- Tips (SC, FC, ST, LC, MU, E2000)
- USB plug-and-play

Optional Accessories:
2.5mm tip for APC male connectors x 1
1.5mm tip for APC male connectors x 1
Tip for SC APC female connectors x 1
Tip for FC APC female connectors x 1
Tip for LC APC female connectors x 1

OSP TOOL KIT

TC-025



Wire Rope and Cable Armour



Lineman's plier



Long nose plier



Precision Wire Stripper



Fiber Optic Stripper



Knife



Brush

HSV-201





Straight Screwdriver



Marking Pen



Reversible Rachet Screwdriver w/ Bits Socket Set



Transverse Cable Cutter



Measuring tape



Longitudinal Cable Cutter



Kevlar electricians scissor



Alcohol bottle



Precision Screwdriver Set

OPTICAL FIBER STRIPPER



COMPTYCO THREE-PORT FIBER STRIPPER



COAXIAL CABLE STRIPPER



FIBER STRIPPER



BUFFER CABLE SLITTER



FIBER OPTIC STRIPPER



LONGITUDINAL CABLE STRIPPER



DROP CABLE STRIPPER



3-CHANNEL MID-SPAN FIBER ACCESS TOOL

OPTICAL FIBER JACKET STRIPPER



FIBER ARMORED CABLE SLITTER



TUBING CUTTER



ROUND CABLE STRIPPER



LONGITUDINAL SLITTER



LONGITUDINAL CABLE CUTTER

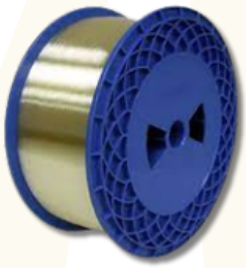


LONGITUDINAL CABLE JACKET SLITTER

OTHER PRODUCT FOR FTTX



LAUNCH CABLE BOX

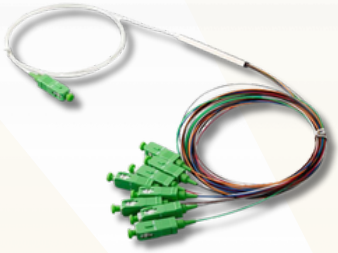


TEST FIBER



FIBER OPTIC SPLICING CLOSURE

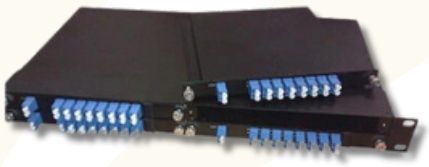
SPLITTER





C/DWDM MUX&DEMUX MODULES





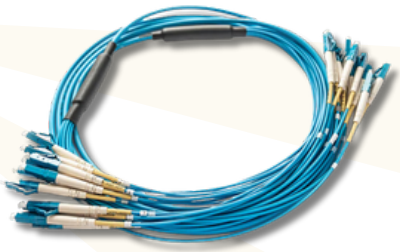
ABS Module

Plug-in Module

LGX Module

OPTICAL FIBER CABLES





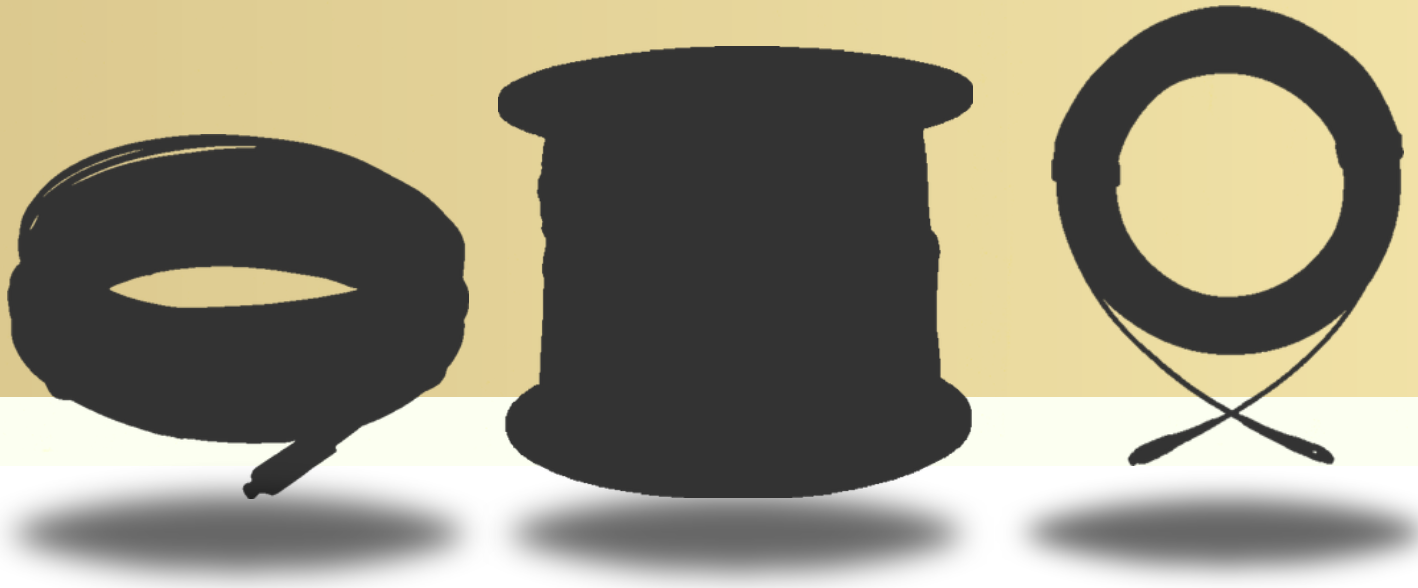



Cable Rodder

ODF

SFP

FIBER OPTIC CABLES



COMLINK ARMOURED MINI FIG8 12F(2KM)

12 CORE FIBER CABLE



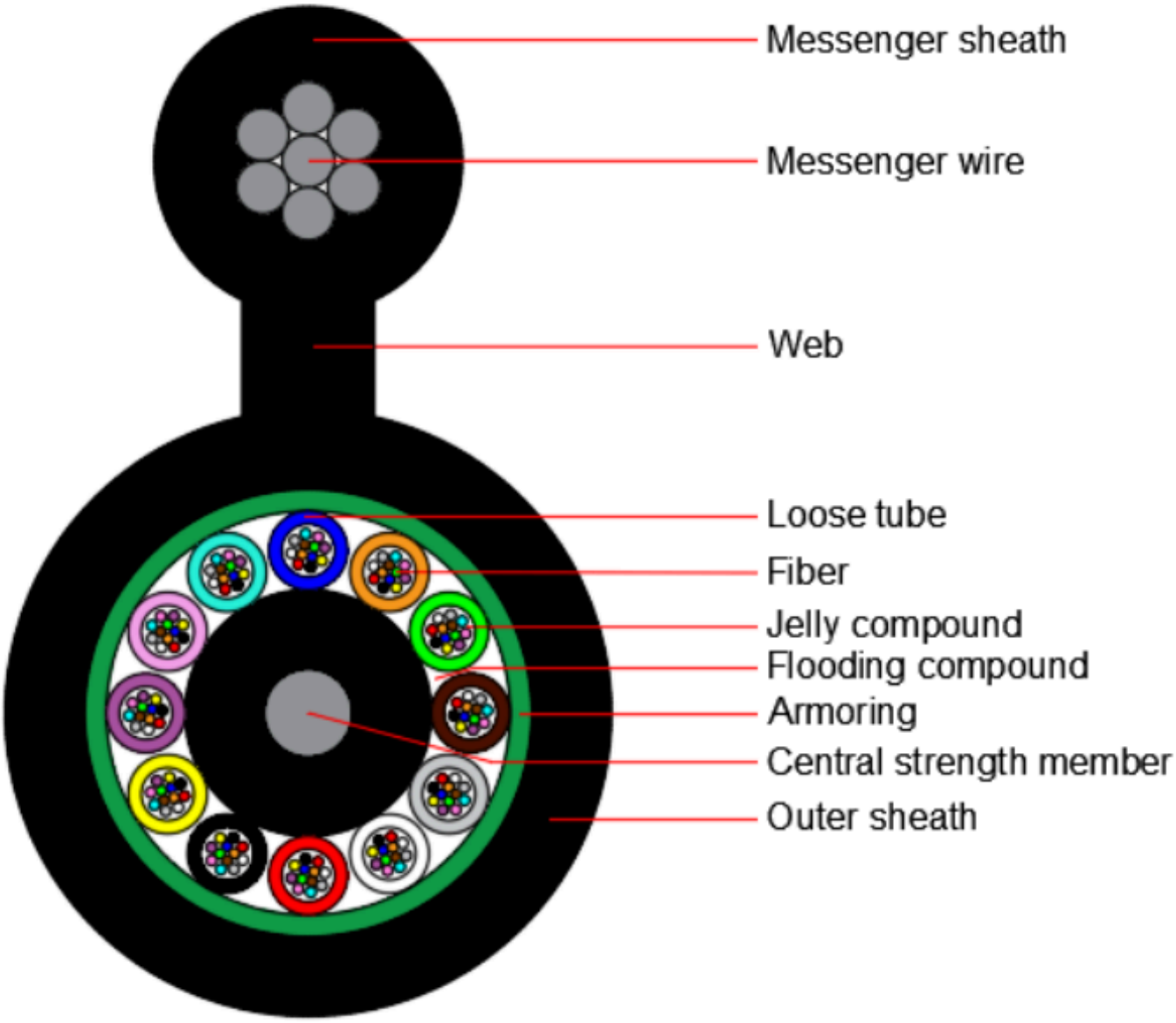
OVERVIEW

- The Comlink GYXTC8S-12Core is an armored Mini Fig8 self-supporting aerial fiber optic cable built for standard FTTH and outdoor network deployments. Its PSP corrugated steel armor adds radial strength and rodent resistance over the standard GYXTC8Y design. The integrated 1.5mm steel messenger and 12-core G.652D singlemode fiber deliver reliable transmission across the full 2KM drum.

PRODUCT DETAILS

- 12 Core Armored Fiber Optic Cable: High-speed, low-attenuation single-mode fiber for large-scale data transmission
- Steel Messenger Wire: Reinforced with galvanized steel for optimal tensile strength and structural stability
- Armored Protection: Built with steel tape for enhanced durability and protection against physical damage
- Weather-Resistant Jacket: UV-resistant and waterproof, designed for harsh outdoor conditions
- 2KM Roll Length: Ideal for large-scale FTTH, commercial, and industrial networking projects

FIGURE-8 OUTDOOR COMMUNICATION CABLE (GYTC8S)



TECHNICAL DATA

No. of cable		24	48	72	96	144
Fiber Model		G.652D				
Design(StrengthMember+Tube&Filler)		1+5		1+6	1+8	1+12
Central Strength Member	Material	Steel Wire			Steel Wire/+PE	
	Diameter （±0.05） mm	1.4	1.4	2.0	2.0/3.2	2.0/5.7
Loose Tube	Material	PBT				
	Diameter （±0.1） mm	1.65	1.9	1.9	1.9	1.9
	Thickness （±0.05） mm	0.25	0.3	0.3	0.3	0.3
	The fibers./Tube	6	12	12	12	12
Filler Rope	Material	PE		-	-	-
	Diameter （±0.1） mm	1.65	1.9	-	-	-
	NO.	1	1	-	-	-
Water Blocking Layer（Material）		Flooding Compound				
Messenger Wire	Material	Galvanized Steel Strand				
	Size （±0.05） (mm)	R7×0.9			R7×1.0	

Web	Material	MDPE
	Diameter(W×H) （±0.1） mm	2.0*3.0
Messenger Sheath	Material	MDPE
	Thickness （±0.1） mm	1.5
Outer Sheath	Material	MDPE
	Thickness （±0.1） mm	1.6

Cable Diameter （±0.5） mm (W×H)		8.9*17.6	9.4*18.1	10.0*18.7	11.2*20.2	13.7*22.9
Cable Wetght （±10%） kg		145	154	176	208	270
Min. bending radius	Without Tension	10.0×Cable-φ				
	Under Maximum Tension	20.0×Cable-φ				
Temperature range (°C)	Installation	-20~+60				
	Transport&Storage	-40~+70				
	Operation	-40~+70				

FIBER COLOR

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

LOOSE TUBE COLOR

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

THE PROPERTIES OF A SINGLEMODE OPTICAL FIBER (ITU-T REC. G.652.D)

Item	Specification
Fiber type	Single mode
Fiber material	Doped silica
Attenuation coefficient @ 1310 nm @ 1383 nm @ 1550 nm @ 1625 nm	 ≤ 0.35 dB/km ≤ 0.32 dB/km ≤ 0.21 dB/km ≤ 0.24 dB/km
Point discontinuity	≤ 0.05 dB

Cable cut-off wavelength	≤ 1260 nm
Zero-dispersion wavelength	1300 ~ 1324 nm
Zero-dispersion slope	≤ 0.092 ps/(nm^2.km)
PMD_Q (Quadrature average*)	≤0.2 ps/km$^{1/2}$
Mode field diameter @ 1310 nm	9.2±0.4 um
Core / Clad concentricity error	≤ 0.5 um
Cladding diameter	125.0 ± 0.7 um
Cladding non-circularity	≤1.0%
Primary coating diameter	245 ± 10 um
Proof test level	100 kpsi (=0.69 Gpa), 1%
Temperature dependence 0℃~ +70℃ @ 1310 & 1550nm	≤ 0.1 dB/km

MAIN MECHANICAL & ENVIRONMENTAL PERFORMANCE TEST

Item	Test Method	Acceptance Condition
Tensile Strength IEC 60794-1-2-E1	- Load: 3000N - Length of cable: about 50m	- Loss change ≤ 0.1 dB @1550 nm - No fiber break and no sheath damage.
Crush Test IEC 60794-1-2-E3	- Load: Short term crush - Load time: 1min	- Loss change ≤ 0.05dB@1550nm - No fiber break and no sheath damage.
Impact Test IEC 60794-1-2-E4	- Points of impact: 3 - Times of per point: 1 - Impact energy: 5J	- Loss change ≤ 0.1dB@1550nm - No fiber break and no sheath damage.
Temperature Cycling Test IEC 60794-1-2-F4	- Temperature step: +20₀C→-40₀C→+70₀C →+20₀C - Time per each step: 12 hrs - Number of cycle: 2	- Loss change ≤ 0.05 dB/km@1550 nm - No fiber break and no sheath damage.

SHEATH MARKING

The optical fiber cable shall have sequentially numbered length marking at intervals of approximately 1 meter. The starting number of ordering length for any coil shall begin whit zero meter. The accuracy of the measurement of length marking shall be held within the limits of ±1%.

a) Manufacturer's name

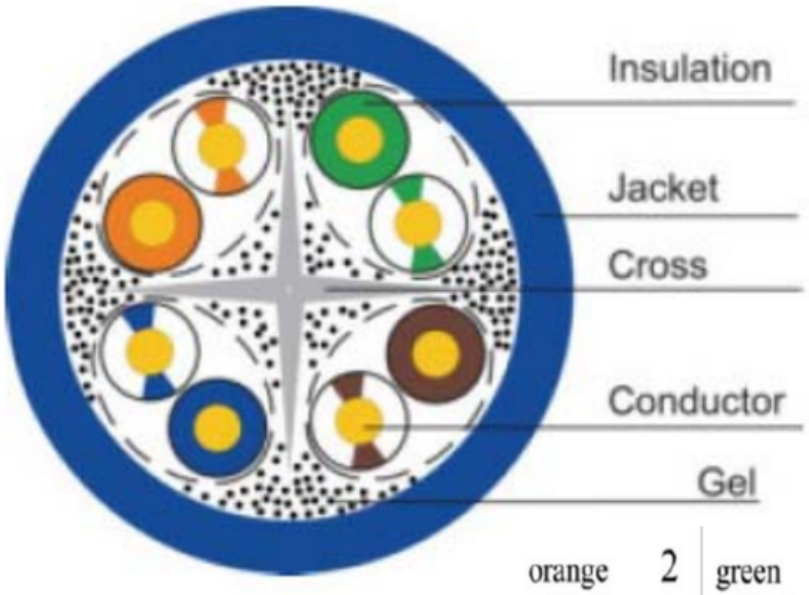
b) Type of wire

c) Year and month of manufacture

d) Length marking each meter along the wire

CATEGORY 6 U/UTP INSTALLATION CABLE

OUTDOOR, GEL-FILLED, PE, BLACK





orange 2 white/orange	green 3 white/green
blue 1 white/blue	brown 4 white/brown

FEATURES:

Compliant with all category 6 requirements as:

- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1 Class E:2017
- CENELEC EN 50173-1:2018
- CENELEC EN 50288-6-1:2013
- IEC61156-5:2012(Edition 2.0)
- RoHS compliant(EU Directive 2011/65/EC)

CONFIGURATION

Conductor	Material	Bare Copper / 23 AWG
Insulation	Material	PE
	Diameter	1.12±0.05mm
" ┼" cross	Material	PE
Sheath	Material	LDPE / black
	Thickness	0.60±0.05mm
	Diameter	7.20±0.5mm
GEL		Jelly Filling Compound
Operating Temperature		-40°C to +60°C
Storage / Transport Temperature		-50°C to +70°C
Installation Temperature		-10°C to +50°C

APPLICATION

- CCTV IP system video, voice transmission
- POE system
- 1000BASE-TX, 1000BASE-T, 100BASE-TX Fast Ethernet, 10BASE-T Ethernet, Voice

ELECTRICAL PERFORMANCE

Impedance	1~250MHz	100Ω ± 15%

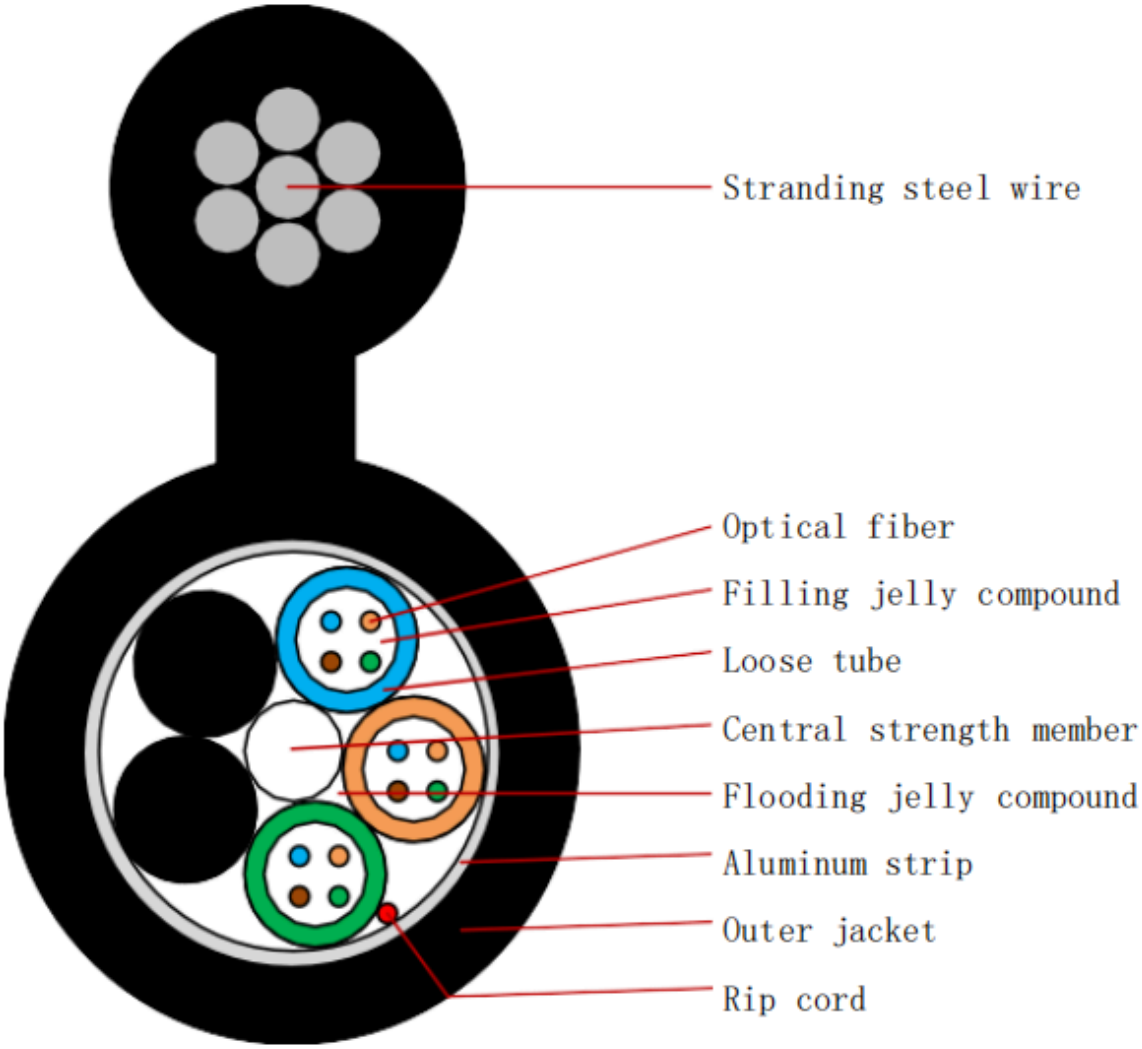
TIA Cat.6 Permanent Link 90m

Typical

Freq (MHz)	Insertion Loss (dB)		NEXT (dB)		PSNEXT (dB)		ACR-F (dB)		PSACR-F (dB)		Return Loss (dB)	
1	1.9	1.7	65.0	67.1	62.0	64.1	64.2	76.4	61.2	74.5	19.1	26.1
4	3.5	3.2	64.1	68.8	61.8	65.8	52.1	64.5	49.1	62.4	21.0	32.5
10	5.5	5.2	57.8	60.8	55.5	57.8	44.2	56.4	41.2	54.5	21.0	34.1
16	7.0	6.7	54.6	56.6	52.2	53.6	40.1	52.3	37.1	40.4	20.0	30.6
20	7.9	7.6	53.1	55.1	50.7	52.1	38.2	50.4	35.2	48.5	19.5	31.0
31.25	10.0	9.7	50.0	53.4	47.5	50.4	34.3	46.4	31.3	44.5	18.5	31.5
62.5	14.4	14.2	45.1	48.0	42.7	45.0	28.3	40.5	25.3	38.5	16.0	27.4
100	18.6	18.3	41.8	44.4	39.3	41.4	24.2	36.3	21.2	34.0	14.0	26.0
200	27.4	27.1	36.9	39.0	34.3	36.0	18.2	30.5	15.2	28.1	11.0	23.8
250	31.1	30.8	35.3	37.2	32.7	34.2	16.2	28.5	13.2	26.1	10.0	22.5

FIBER OPTIC CABLE 12 CORE

FIGURE-8, SM, ARMORED, 1 RIPCORD, OUTDOOR



DESCRIPTION

Optical cable type: Singlemode, Armored, Figure-8, FRP central strength member, multi-tube, PE with 1-ripcord.

OPTICAL FIBER TYPE AND PROPERTIES

Item		Unit	Specification
			G.652D
Mode field diameter	1310nm	μm	9.2 ± 0.4
	1550nm	μm	10.4 ± 0.8
Cladding diameter		μm	125.0 ± 0.7
Cladding non-circularity		%	≤1.0
Core/cladding concentricity error		μm	≤0.5
Coating diameter		μm	245 ± 10
Coating/cladding concentricity error		μm	≤12
Cable cut-off wavelength		nm	≤ 1260
Attenuation Coefficient	1310nm	dB/km	≤0.35
	1550nm	dB/km	≤0.21
Proof stress level		kpsi	≥100

DIMENSIONS OF CABLE CONSTRUCTIONS

Fiber count	Structure	Fibers per tube	Loose tube diameter (mm)	CSM diameter /pad diameter (mm)	Nominal Thickness of outer jacket(mm)	Cable diameter/ Height (mm)	Cable Weight (kg/km)
12	1*FRP+3*TUBE+2*FILLER	4	1.7±0.1	1.5/1.5	1.6	9.1 ±5%/15.8 ±5%	127
24	1*FRP+ 6*TUBE	4	1.7±0.1	1.8/1.8	1.6	9.4 ±5%/16.1 ±5%	134
48	1*FRP+4*TUBE+1*FILLER	12	2.0±0.1	1.5/1.5	1.6	9.8 ±5%/16.5 ±5%	139
96	1*FRP+ 8*TUBE	12	2.0±0.1	1.8/3.5	1.6	12.0 ±5%/19.0 ±5%	180
144	1*FRP+ 12*TUBE	12	2.0±0.1	2.0/6.3	1.6	14.8 ±5%/21.9 ±5%	239

CABLE PERFORMANCE

Item		Parameters
Loose tube	Material	PBT
	Color	Full color spectrum
Filler	Material	PE
	Color	Black
CSM	Material	FRP
Armored	Material	Plastic coated aluminum strip
Messenger wire	Nominal Thickness	1.0mm
	Stranding steel wire	1.0mm*7
Outer jacket	Material	HDPE
	Color	Black
Min. bending radius	Static	10 times cable diameter
	Dynamic	20 times cable diameter
Tensile performance	Short term	4000N
Crush	Short term	1000N/100mm

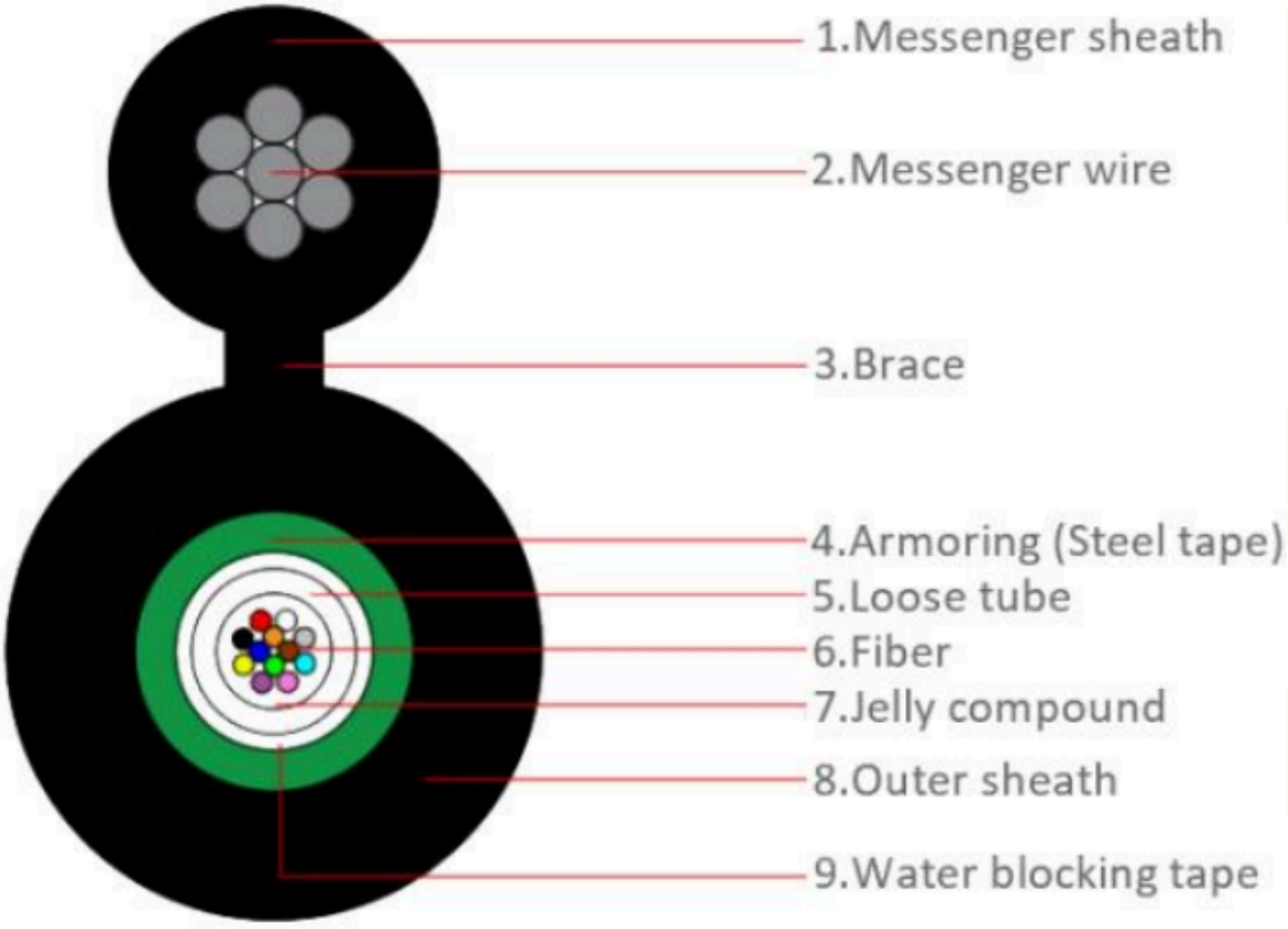
ENVIRONMENTAL PERFORMANCE

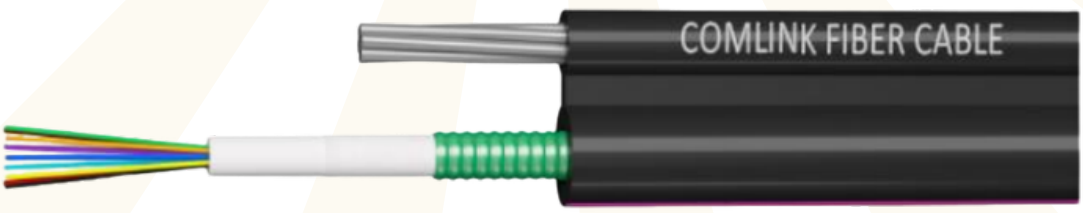
Item	Standard	Parameters
Operation temperature	IEC 60794-1-2 F1	-20℃～+60℃

DRUM

Cable type	Drum				
	Height (mm)	Width (mm)	Inner diameter (mm)	Length (km)	Drum type
PH269223012	950	760	400	2	Plywood wood drum
PH269223012	1300	760	500	4	Iron wood drum
PH269223024	950	760	400	2	Plywood wood drum
PH269223024	1350	760	500	4	Iron wood drum
PH269223048	1000	760	400	2	Plywood wood drum
PH269223048	1350	760	500	4	Iron wood drum
PH269223096	1100	760	400	2	Plywood wood drum
PH269223096	1450	1000	600	4	Iron wood drum
PH269223144	1400	760	500	2	Iron wood drum
PH269223144	1700	1000	650	4	Iron wood drum

FIGURE-8 OUTDOOR ARMORED CABLE (GYXTC8S)





CABLE DATA

No. of cable		8	12	16
Fiber Model		G.652D		
Loose Tube	Material	PBT		
	Diameter (±0.06) mm	2.0	2.0	2.6
	Thickness (±0.03) mm	0.32	0.32	0.35
Water Blocking Layer (Material)		Water Blocking Tape		
Armoring	Material	Steel Strip		
	Thickness (+0.03) mm	0.20		
Messenger Wire	Material	Galvanized steel strand		
	Size (±0.05) (mm)	R7×0.5 (1.5mm)		
Brace	Material	MDPE		
	Diameter (±0.5) mm	1.5*2.0		
Messenger Sheath	Material	MDPE		
	Thickness (±0.1) mm	0.7		
Outer Sheath	Material	MDPE		
	Thickness (±0.2) mm	1.5		
Cable Diameter (±0.2*±0.5) mm (W×H)		6.5*11.1	6.5*11.1	7.1*11.7
Cable Weight (±10) kg		55	55	63
Allowable Tensile Strength	Short Term	2000N		
	Long Term	800N		
Allowable Crush Resistance	Short Term	2000 (N/100mm)		
	Long Term	1000 (N/100mm)		

FIBER COLOR

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua
No.	13	14	15	16		
Color	Blue+P	Orange+P	Green+P	Brown+P		

"P" MEANS POINT MARK

THE PROPERTIES OF A SINGLEMODE OPTICAL FIBER (ITU-T REC. G.652.D)

Item	Specification
Fiber type	Single mode
Fiber material	Doped silica
Attenuation coefficient @ 1310 nm @ 1383 nm @ 1550 nm @ 1625 nm	 < 0.35 dB/km < 0.32 dB/km < 0.21 dB/km < 0.24 dB/km
Point discontinuity	< 0.05 dB
Cable cut-off wavelength	< 1260 nm
Zero-dispersion wavelength	1300 ~ 1324 nm
Zero-dispersion slope	< 0.092 ps/(nm^2.km)
Chromatic dispersion @ 1288 ~ 1339 nm @ 1271 ~ 1360 nm @ 1550 nm @ 1625 nm	 <3.5 ps/(nm. km) <5.3 ps/(nm. km) <18 ps/(nm. km) <22 ps/(nm. km)

PMD_Q (Quadrature average*)	<0.2 ps/km$^{1/2}$
Mode field diameter @ 1310 nm	9.2±0.4 um
Core / Clad concentricity error	< 0.5 um
Cladding diameter	125.0 ± 0.7 um
Cladding non-circularity	<1.0%
Primary coating diameter	245 ± 10 um
Prooftest level	100 kpsi (=0.69 Gpa), 1%
Temperature dependence 0oC~+70oC @ 1310 & 1550nm	< 0.1 dB/km

MAIN MECHANICAL & ENVIRONMENTAL PERFORMANCE TEST

Item	Test Method	Acceptance Condition
Tensile Strength IEC 60794- 1-2-E1	- Load: 3000N - Length of cable: about 50m	- Fiber strain < 0.33% - Loss change < 0.1 dB @1550 nm - No fiber break and no sheath damage.
Crush Test IEC 60794- 1-2-E3	- Load: 1000N/100mm - Load time: 1min	- Loss change < 0.1dB@1550nm - No fiber break and no sheath damage.
Impact Test IEC 60794- 1-2-E4	- Points of impact: 3 - Times of per point: 1 - Impact energy: 5J	- Loss change < 0.1dB@1550nm - No fiber break and no sheath damage.
Temperature Cycling Test IEC 60794- 1-2-F4	- Temperature step: +20℃→-40℃→+70℃ → +20℃ - Time per each step: 12 hrs - Number of cycle: 2	- Loss change < 0.1dB/km@1550 nm - No fiber break and no sheath damage.

SHEATH MARKING

The optical fiber drop cable shall have sequentially numbered length marking at intervals of approximately 1 meter. The starting number of ordering length for any coil shall begin whit zero meter. The accuracy of the measurement of length marking shall beheld within the limits of ± 1%.

a) Manufacturer's name

b) Type of wire

c) Year and month of manufacture

d) Length marking each meter along the wire

FIGURE-8 AERIAL OPTIC CABLE (GYTC8S)

DESCRIPTION

GYTC8S is a typical self supporting outdoor fiber optic cable with features of moisture resistance and crush resistance suitable for aerial application.

The mental strength member is made up of stranded wires as the supporting part are completed with a polyethylene(PE) sheath to be figure 8 structure. Corrugated steel tape armored and PE outer sheath providing crush resistance and gun shot resistance features. The steel-wire strength member as the central strength improves the tensile strength and it is surrounded by the loose tube and water blocking system. The impact structure ensures excellent mechanical and environmental performance.

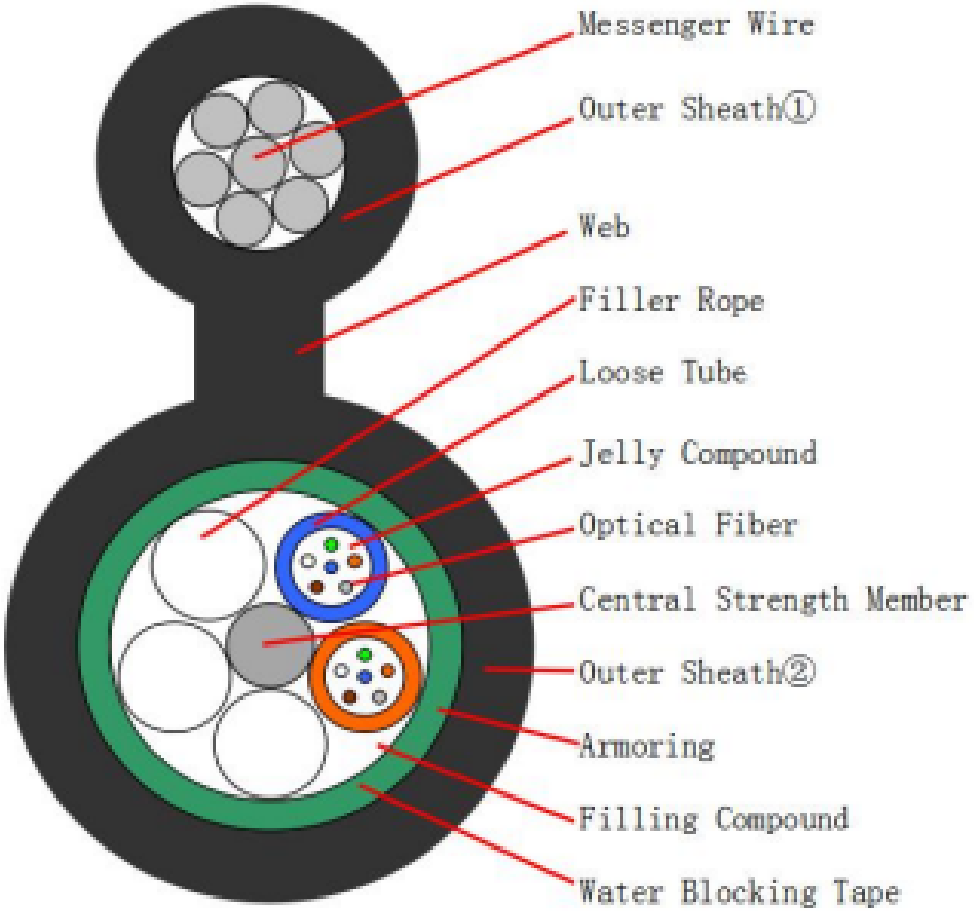


FIGURE-8 AERIAL OPTIC CABLE(GYTC8S)

TECHNICAL DATA SHEET

Fibers of cable		4	8	12	24	48	72
Fiber Model		G.652D					
Design (StrengthMember+Tube&Filler)		1+5					1+6
Central Strength Member	Material	Steel Wire					
	Diameter (±0.05) mm	1.3				1.4	1.8
Loose Tube	Material	PBT					
	Diameter (±0.1) mm	1.55				1.8	
	Thickness (±0.05) mm	0.25				0.30	
	The Max.Core NO./Tube	4		6		12	
Filler Rope	Material	LDPE					
	Diameter (±0.1) mm	1.5	1.5	1.5	1.5	1.8	—
	NO.	4	3	3	1	1	—
Armoring	Material	Steel tape					
	Thickness (+0.03) mm	0.20					
Outer Sheath①	Material	MDPE					
	Thickness (±0.2) mm	1.0					
Outer Sheath②	Material	MDPE					
	Thickness (±0.2) mm	1.5					
Web	Material	MDPE					
	Size (±0.5) mm	2.0*3.0					
Messenger Wire	Material	Galvanized steel strand					
	Size (±0.1) mm	R7×0.7					
Cable Diameter (±0.5) mm (W×H)		8.4×15.0				9.0×	9.4×

FIGURE-8 AERIAL OPTIC CABLE(GYTC8S)

TECHNICAL DATA SHEET

			15.6	16.0
Cable Weight（±10）kg/km		105	115	130
Allowable Tensile Strength(N)		3000		
Allowable Crush Resistance(N/100mm)		1000		
Application		Aerial		
Attenuation	1310nm	≤0.35dB/ km		
	1550nm	≤0.21dB/ km		
Min. bending radius	Without Tension	10.0×Cable-φ		
	Under Maximum Tension	20.0×Cable-φ		
Temperature range （℃）	Installation	-20~+60		
	Transport&Storage	-40~+70		
	Operation	-40~+70		

FIBER COLOR

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

LOOSE TUBE COLOR

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

FIGURE-8 AERIAL OPTIC CABLE(GYTC8S)

MAIN MECHANICAL & ENVIRONMENTAL PERFORMANCE TEST

Item	Test Method	Acceptance Condition
Tensile Strength IEC 60794-1-2-E1	- Load: 3000N - Length of cable: about 50m	- Fiber strain ≤ 0.33% - Loss change ≤ 0.1 dB @1550 nm - No fiber break and no sheath damage.
Crush Test IEC 60794-1-2-E3	- Load: 1000N/100mm - Load time: 1min	- Loss change ≤ 0.1dB@1550nm - No fiber break and no sheath damage.
Impact Test IEC 60794-1-2-E4	- Points of impact: 3 - Times of per point: 1 - Impact energy: 5J	- Loss change ≤ 0.1dB@1550nm - No fiber break and no sheath damage.
Temperature Cycling Test IEC 60794-1-2-F4	- Temperature step: +20°C→-40°C→+70°C →+20°C - Time per each step: 12 hrs - Number of cycle: 2	- Loss change ≤ 0.1 dB/km@1550 nm - No fiber break and no sheath damage.

SHEATH MARKING

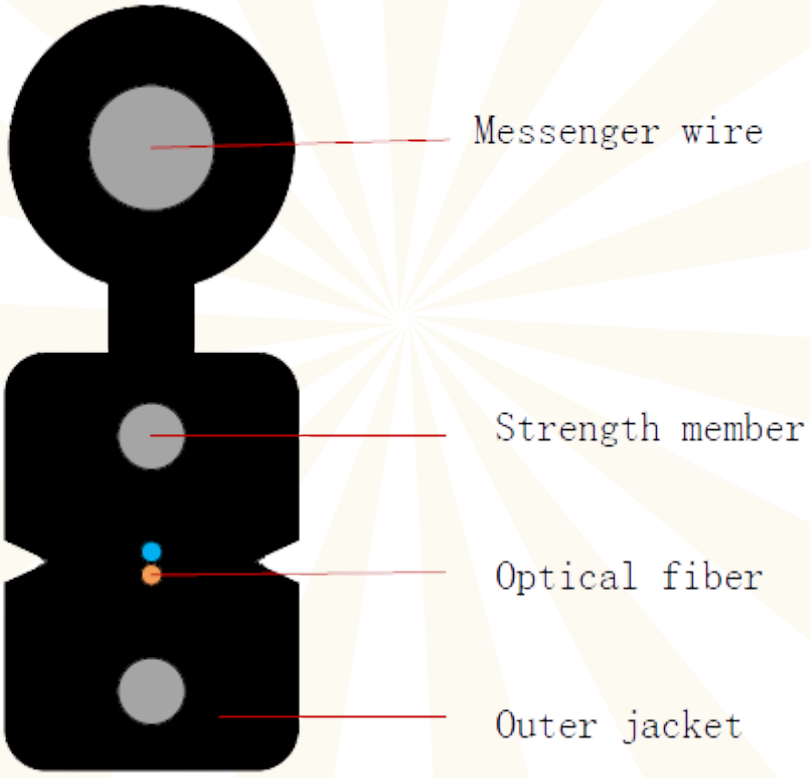
The color of marking is white, but if the remarking is necessary, the white color marking shall be printed newly on a different position. An occasional unclear of length marking is permitted if both of the neighboring markings are clear.

GJYXCH-2G657A2

DESCRIPTION

Fiber optic outdoor aerial FTTH drop flat cable, w/ 2 Steel Wire Strength Members, Solid Steel Wire Messenger, Outer Dimension 2.0mm x 5.3mm, LSZH, 2km/roll G657A2, 1.2mm Messenger Wire Diameter, w/o loose tube, 2-core

CROSS SECTION OF CABLE:



OPTICAL FIBER TYPE AND PROPERTIES

(Item)		Unit	Specification
			G. 657A2
Mode field diameter	1310nm	μm	8.6-9.5 ± 0.4
Cladding diameter		μm	125.0 ± 0.7
Cladding non-circularity		%	≤1.0
Core/cladding concentricity error		μm	≤0.5
Coating diameter		μm	245 ± 5
Coating/cladding concentricity error		μm	≤12
Cable cut-off wavelength		nm	≤ 1260
Attenuation Coefficient	1310nm	dB/km	≤0.4
	1550nm	dB/km	≤0.3
7.5mm Macro-bend loss (1 turn,7.5mm radius)	1550nm	dB/km	≤0.5
	1625nm	dB/km	≤1.0
Proof stress level		kpsi	≥100

CABLE PERFORMANCE

(Item)		(Parameters)	
Fiber	Color	Full color spectrum	
	Number of cores	2	4
Strength member	Material	Phosphating steel wire	
	Diameter (mm)	0.5	
Messenger wire	Material	Phosphating steel wire	
	Diameter (mm)	1.2	
Outer jacket	Material	LSZH	
	Color	Black	
Cable diameter		2.0±0.3*5.3±0.3	
Min. bending radius(Rip off the messenger wire)	Static	15mm	
	Dynamic	30mm	
Tensile performance	Short term	660N	
Crush	Short term	2200N/100mm	

WORKING CONDITION

(Item)	(Standard)	(Parameters)
Operation temperature	IEC 60794-1-2 F1	-5℃～+50℃

DRUM

(Cable type)	(Drum)				
	Height (mm)	Width (mm)	Inner diameter (mm)	Length (km)	Drum type
GJYXCH	300	275	110	1	Plywood wood drum
GJYXCH	400	300	150	2	Plywood wood drum

TARATEL
TELECOM SUPPLIES TRADING

FIBER OPTIC ACCESSORIES & CONSUMABLES



COMWAY ELECTRODES



DESCRIPTION

The Comway CE-03 electrodes are high-quality replacements designed for use with various COMWAY fiber fusion splicers. These electrodes play a crucial role in the splicing process, creating the electric arc that welds two optical fibers together.



FEATURES

- Reliable Splicing: Comway CE-03 electrodes ensure consistent and reliable arc discharges for successful fiber fusion splicing.
- Extended Lifetime: Boasting a lifespan of approximately 5,000 arc discharges, these electrodes offer long-lasting performance before needing replacement.
- Compatibility: The CE-03 electrodes are compatible with a wide range of COMWAY fusion splicer models, providing versatility within the brand.

SPECIFICATION

- Model: COMWAY CE-03
- Compatibility: Comway fusion splicer models (including but not limited to) C5, C6, C6s, C8, C8s, C9, C9s, C10, C10s, A3, A33, A4 (refer to manufacturer's documentation for complete compatibility list)
- Arc Discharges: Up to 5,000
- Other Features: May include individual packaging and activation codes (depending on retailer)

SUMITOMO ELECTRODES



ER-10 AS24C603
Spare Electrode for T-81/82C/+ For TYPE-82C

DESCRIPTION

The ER Series of electrodes are specifically designed for Sumitomo electric fusion splicers. The electrodes have an important role in making a consistent and reliable splice. The electrodes are consumables. Only use the Sumitomo genuine electrodes. Non Sumitomo electrodes can cause poor splice performance and high splice losses.

SPECIFICATION

Applicable Splicer	TYPE-72 Serie, TYPE-82 Series, TYPE-Q102 Series, TYPE-71 Series, TYPE-81 Series, TYPE-Q101 Series, Z2C, T-56, T-57, T-600C and T-400S
Diameter	2mm
Length	20 mm
Quantity per Package	1 pair (2pcs)
Material	Tungsten Alloy

Applicable Fusion Splicer For Electrode ER-10



TYPE-82C+



T-400S



TYPE-72M12

TEKCN ELECTRODES





Compatible with SuperX, TC400, TC600, TC600M



FUJIKURA ELECTRODES

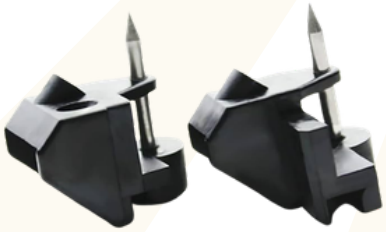




Compatible with 31S, 41S, 90S and 90R



SIGNAL FIRE ELECTRODES





Compatible with AI-6C AI-7 AI-7C AI-7V AI-8 AI-8C AI-9



ELECTRODE CLEAN SHEET



DESCRIPTION

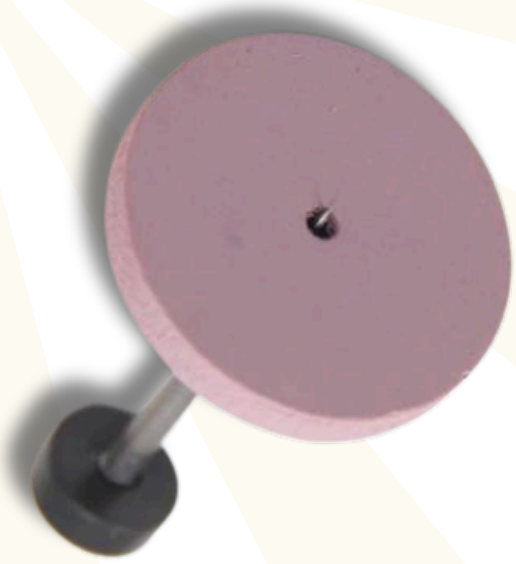
Optical fiber fused electrode cleaning piece electrode rod oxide grinding plate electrode cleaning tool.

Optical fiber fusion machine special electrode cleaning sheet, applicable to any type of optical fiber fusion splicer electrode bar, used for polishing cleaning electrode rod tip discharge oxidation layer, can be extended to the rod electrode service life of 1 to 2 times.

Pink, 22mm diameter, 1.6mm inner hole, 3mm thickness. (the same size as the 1 corners of the coin!) Regardless of type, suitable for all types of electrodes in the optical fiber splicer rod.

USAGE:

The electrode tip part flat and polished edge, along a direction of circle grinding several times (this effect is better, remember do not tip inserted to the buffing plate to prevent the electrode tip bending). Or the electrode rod is inserted into the center hole of the cleaning piece, and the effect of cleaning the electrode rod can be achieved by rotating a few times.



COMWAY REPLACEMENT BLADE



DESCRIPTION

The Comway blade is a replacement blade specifically designed for COMWAY fiber cleavers, most commonly used with models C108, C109, and others.

FEATURES

- High Precision: The Comway blade is known for its clean and precise cuts on fiber optic cables, ensuring optimal performance in splicing applications.
- Long Life: Made from durable materials, the Comway blade boasts a lifespan of up to 4,800 cleaves, minimizing replacement frequency.
- Compatibility: This blade is compatible with various COMWAY fiber cleaver models, offering versatility within the brand.



SPECIFICATION

- Model: COMWAY CB-01
- Compatibility: COMWAY fiber cleaver models C108, C109, A3, A4, A5, C5, C6, C8, C9, C10, C6s, C9s, C10s (and potentially more)
- Cutting Position: 16 points
- Lifespan: Up to 4,800 cleaves

HYBRID ADAPTORS



LC to SC
Adapter



LC UPC 5dB Fiber
Optic Attenuator



UPC LC Male to
ST Female Singlemode



SC Female,
ST Male



FC Male to
LC Female



SC Male to
ST Female



SC Male to
ST/LC/FC Female



SC/UPC Butterfly
Shape Connector



FC Male to
SC Female



LC Male to
SC Female



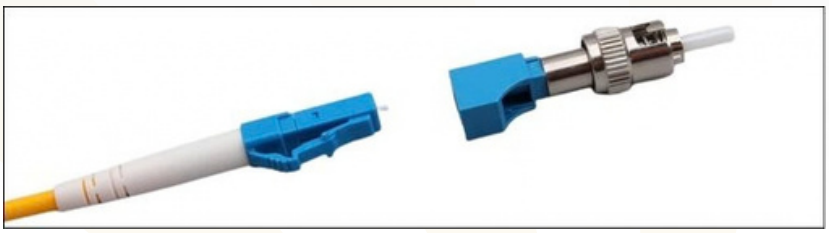
ST Male to FC Female



LC Male to
ST Female

HYBRID ADAPTORS

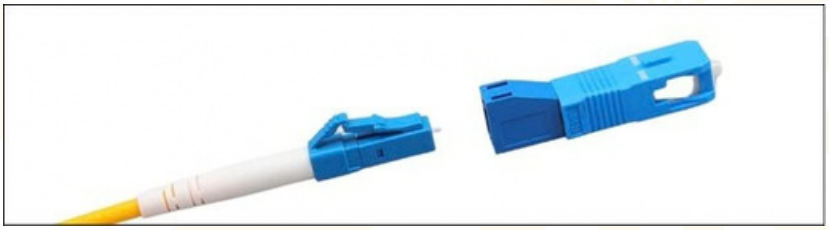
LC/UPC (Female) to ST/UPC (Male)



SC/UPC (Female) to ST/UPC (Male)



LC/UPC (Female) to SC/UPC (Male)



SC/UPC (Male) to FC/UPC (Female)



HYBRID ADAPTORS

ST/UPC (Female) to
FC/UPC (Female)



LC/UPC (Male) to
FC/UPC (Female)



FC/UPC (Female) to
LC/UPC (Female)



LC/UPC (Male) to
SC/UPC (Female)



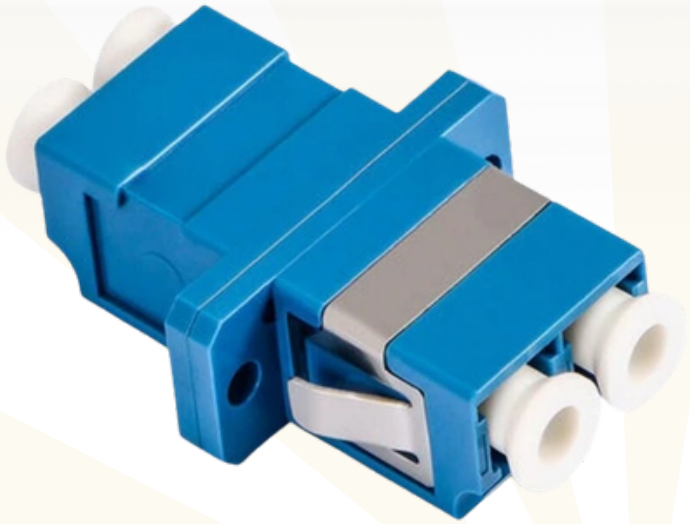
SC/UPC (Female) to
LC/UPC (Female)



ST/UPC (Female) to
FC/UPC (Male)



LC DUPLEX COUPLER



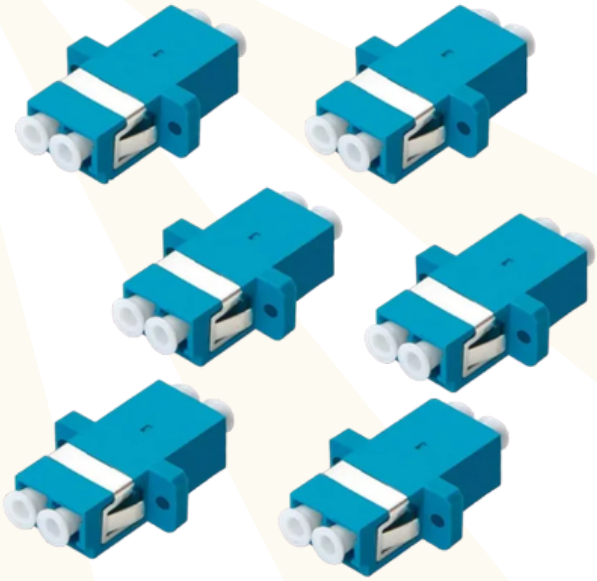
DESCRIPTION

The LC-LC Duplex Fiber Optic Coupler is a high-quality adapter designed to connect two duplex LC fiber optic connectors. Available in single-mode and multimode options, it provides reliable connectivity for fiber optic networks and communication systems. Its compact, durable design makes it ideal for various fiber optic cabling applications.



FEATURES

- Brand: No brand
- Color: Turqoise blue
- Type: LC-LC female coupler
- Qty: 1 x 1pc LC-LC female coupler
- Move option: Single mode & multimode
- Duplex LC female connector to Duplex LC female connector
- Side B: Duplex female LC connector
- Side A: Duplex female LC connector
- Heavy duty power line adpater
- 100% High quality
- Also known as Fiber optic coupler
- Used for fiber optic cable type
- Used for LC related devices
- USed in fiber optic communications/ cabling to reduce the optical fiber power
- Brand new



SC/APC PLC SPLITTER 1*16



DESCRIPTION

The SC/APC PLC Splitter 1×16 is a passive optical device designed to distribute optical signals across 16 output ports. It features low insertion loss, excellent signal uniformity, and reliable performance across a wide operating temperature range. Ideal for FTTx, GPON/EPON, CATV, and other passive optical network applications.

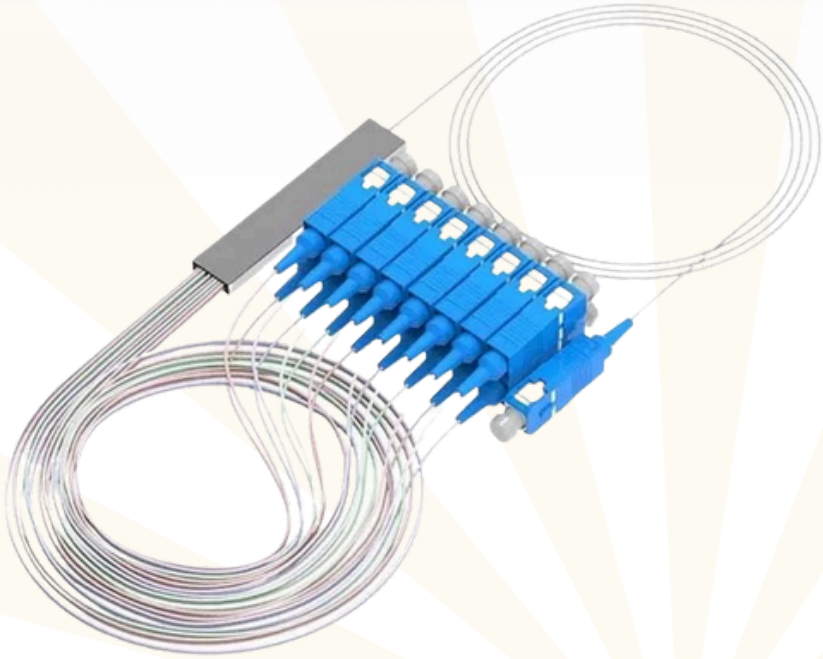
FEATURES

- 1 × N PLC Optic Splitter Specification
- OperatingWavelength（μm）: 1260~165
- Port Configuration: 1×2, 1×4, 1×8, 1×16, 1×32
- Insertion Loss (dB): 3.6
- Loss Uniformity (dB): 0.4
- Polarization Dependent Loss (dB): 0.2
- Wavelength Dependent Loss (dB): 0.3
- Temperature Dependent Loss(-40~85) (dB): 0.4
- Returm Loss (dB): 55/50
- Operating Temperature （℃）: -40~+85
- Directivity (dB): ≥55
- Storage Temperature （℃）: -40~+85

APPLICATIONS

- FTTx Deployments(GPON/BPON/EPON)
- Cable television (CATV)
- Local area networks (LAN)
- Test equipment
- Passive optical networks(PON)

SC/UPC PLC SPLITTER 1*16



DESCRIPTION

The SC/UPC PLC Splitter 1×16 is a compact and reliable passive optical device designed to distribute optical signals across 16 output ports. It features low insertion loss, low polarization-dependent loss (PDL), and excellent channel uniformity for stable and efficient signal distribution. Ideal for FTTx systems, PON networks, CATV links, and other optical signal distribution applications.

FEATURES

- Low Insertion loss
- Low PDL
- Compact Design
- Good channel-to-channel uniformity
- Wide Operating Wavelength: From 1260nm to 1650nm
- High Reliability and Stability

APPLICATIONS

- FTTX Systems
- PON Networks
- CATV Links
- Optical Signal Distribution

PARAMETERS

- Dimension : 13.5x16x3 cm
- Weight : 0.05 kg
- Wide Operating Temperature: From -40℃ to 85℃
- Operating Bandwidth: 1260~1650nm
- Insertion loss: 10.5dB
- Maximum partial positive correlation loss: 0.3dB
- Temperature stability: 0.5dB

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