JAEGER
CONNECTEURS

CIRCULAR CONNECTORS M 8 / M 12



JAEGER BY HUMMEL

JAEGER by HUMMEL: sharing success

The renowned French company, JAEGER CONNECTEURS, is now part of HUMMEL AG. The incorporation of the JAEGER product range into the existing HUMMEL AG line makes HUMMEL the complete supplier of circular connectors from M 8 to M 40 and for client-specific products and custom solutions.







JAEGER – Connect to Innovat



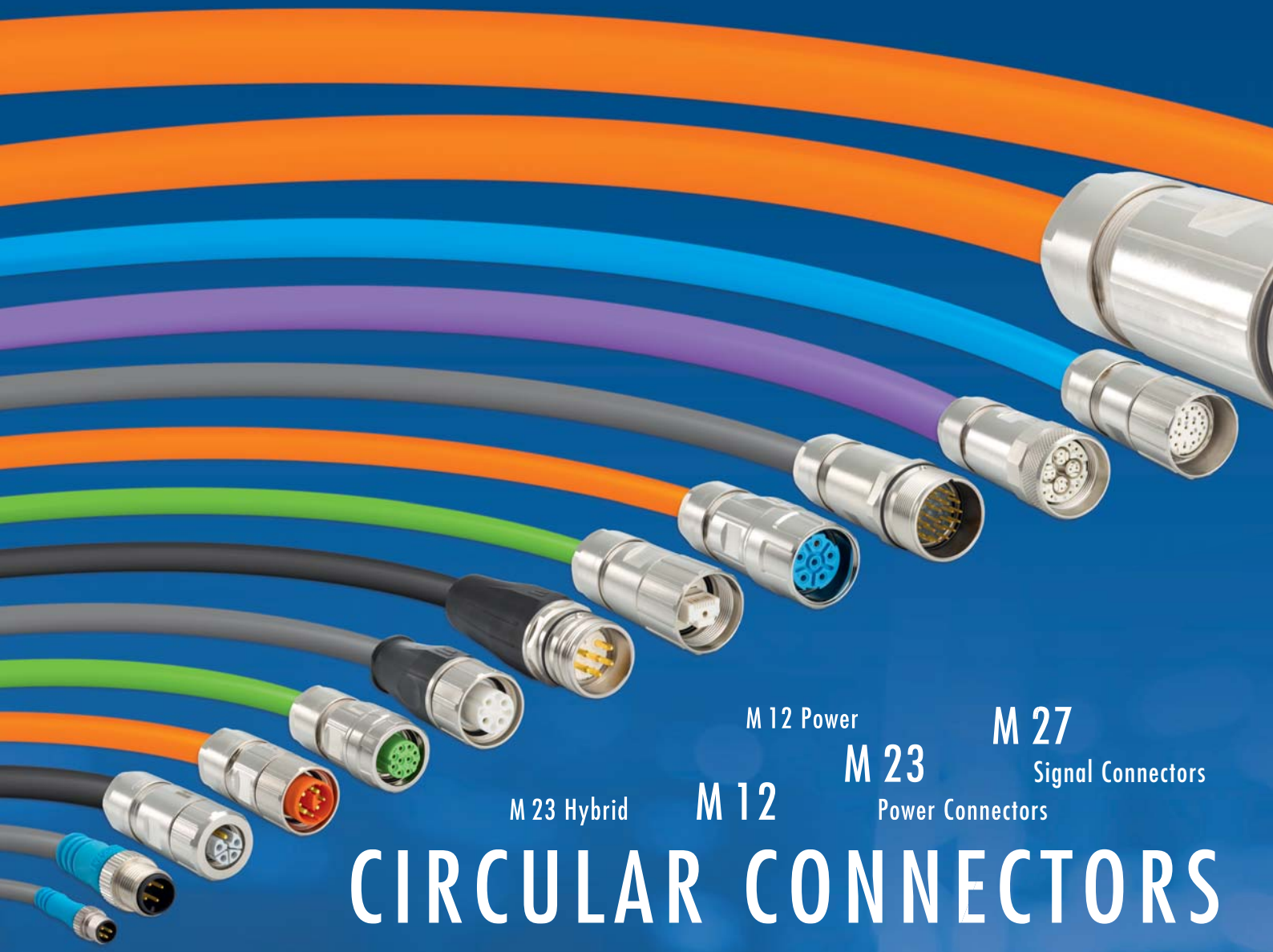






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M 12 Power

M 27
Signal Connectors

M 23
Power Connectors

M 23 Hybrid

M 12

CIRCULAR CONNECTORS

M 8
Industrial Ethernet

M 16
TWILOCK

PROFINET

M 23 RJ 45

Customized Solutions

M 40
Moulded Cordsets





JAEGER BY HUMMEL:

The right connector solution and appropriate service for every application: Together with JAEGER Connecteurs, HUMMEL AG is a global complete-solutions provider for industrial customers in the field of connector systems.

The product catalogue:

// JAEGER M 8, M 12 and splitter boxes
// JAEGER standard connectors
// HUMMEL connectors, M 16 to M 40
// HUMMEL M 12 Power series



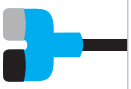
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EXTENSION LINES / ADAPTER LINES

			0,8 m	1 m	1,5 m	2 m	3 m	5 m	7,5 m	10 m			
Straight / Straight	M8	Pin			✓		✓	✓		✓		Socket	M8
	M8	Socket			✓		✓	✓	✓	✓		Pin	M12
	M12	Pin	✓	✓		✓		✓		✓		Socket	M12
Straight / Right angle	M8	Pin			✓		✓	✓		✓		Socket	M8
	M8	Socket			✓		✓	✓		✓		Pin	M8
	M8	Socket			✓		✓	✓	✓	✓		Pin	M12
	M12	Pin			✓		✓	✓	✓	✓		Socket	M8
	M12	Pin	✓	✓		✓		✓		✓		Socket	M12
	M12	Socket	✓	✓		✓		✓		✓		Pin	M12
Right Angle / Right Angle	M8	Pin			✓		✓	✓		✓		Socket	M8
	M8	Socket			✓		✓	✓	✓	✓		Pin	M12
	M12	Pin	✓	✓		✓		✓		✓		Socket	M12

More cable lengths available upon request

CUSTOMIZED SOLUTIONS

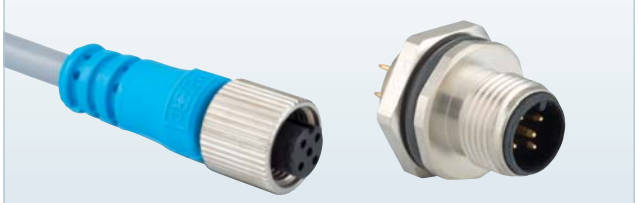
			0,3 m	0,6 m	0,8 m	1 m		
Y-Connector	M12 Pin		✓	✓	✓	✓		Socket Socket M12
	M12 Pin		✓	✓	✓	✓		Socket Socket M12
T-Connector	M12 Socket Socket		✓	✓	✓	✓		Pin M12
	M12 Socket Socket		✓	✓	✓	✓		Socket M12

More cable lengths available upon request

JAEGER
CONNECTEURS

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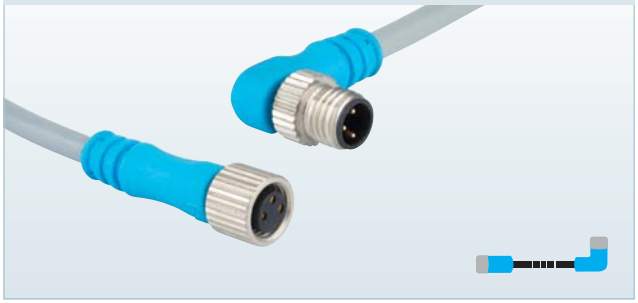
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JAEGER CONNECTEURS

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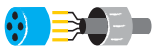
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LEGEND



Contacts



Assembly Instructions



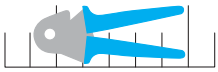
Housing



Inserts / Pinouts



Accessories



Crimp Tool Settings

TECHNICAL INFORMATION

Nominal Currrent
Allowable current (Amp), that can be transmitted by each contact continuously and simultaneously.

Nominal Voltage
Allowable voltage (Volt), that can be applied to each contact continuously and simultaneously.

Test Voltage
Voltage which, under certain conditions, a connector can be exposed to without breakdown.

Degree of Protection
Potential dirt accumulation of a disconnected connector in a certain environment.

Degree of Protection 2
No permanent conductive dirt accumulation will occur. Temporary conductive dirt accumulation, such as condensation, is possible. Typical for households, offices, laboratories and test labs.

Degree of Protection 3
Conductive, as well as dry non-conductive dirt accumulation can occur. It can be temporarily conductive due to condensation. Typical for industrial and factory environments.

Additional remarks (pollution level)
If connectors being defined for pollution degree 1 and overvoltage category 1 are applied for other conditions (higher pollution degree and higher overvoltage category) voltages level reduce correspondingly. But the connectors can be used without any problems at reduced maximum voltages.

Mating cycles
Mating cycles are the number of insertion and extraction cycles a connector can withstand before the electrical or mechanical failure in relationship to the connector's design specification.

Air gap
The minimum gap of air between two conducting surfaces permissible at given voltage.

Creep distance
The minimum dimension along the surface of an insulating material between two conducting surfaces.

PE
The PE-Contact is a ground contact for security reasons.

Safety Guidelines
When HUMMEL connectors are used for voltages greater than 50 Volts with conductive shell components they must be used in accordance with the safety regulations DIN VDE Part 410; IEC 60364-4-41. This regulation basically dictates that the power source should be turned off before mating and unmating connector. This regulation does not provide protection against electrical shock when mating and unmating connectors in the field.



Don't connect or disconnect the Connectors under load.

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CONNECTORS M 12

These are standard-fit in industry. Their fields of application are numerous and are growing constantly. The M 12 connectors are robust and user-friendly. There are numerous moulding variants in the range and freely configurable finishing solutions.



// A, B and D coding
// Moulded solutions
// Freely configurable finishing solutions for connectors
// Y and T connectors
// Extension lines
// Panel connector

CONNECTORS M 12

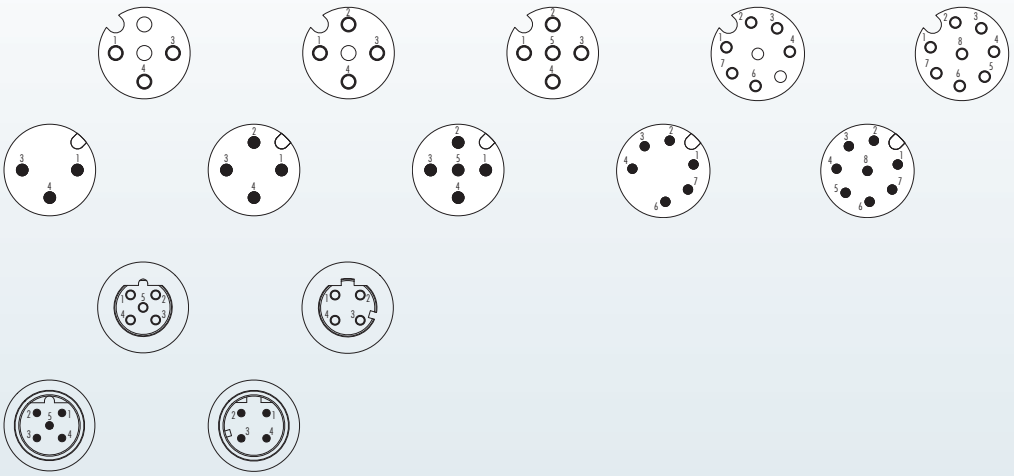
Product overview

Housings

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Inserts



Mechanical Data

Housing	Copper-Zinc alloy	
Overmould	Thermoplastic elastomer	
Inserts (for contacts)	PA66 / Glass fibre	Fire protection class V0
Contacts	Copper-Zinc alloy	
Contact surface at point of contact	Nickel and gold plated	
Seals / O-Rings	Fluorocarbon	
Temperature range	-30 °C – +70 °C (static operating temperature) -5 °C – +70 °C (dynamic operating temperature)	
Protection	IP 67	

Electrical Data

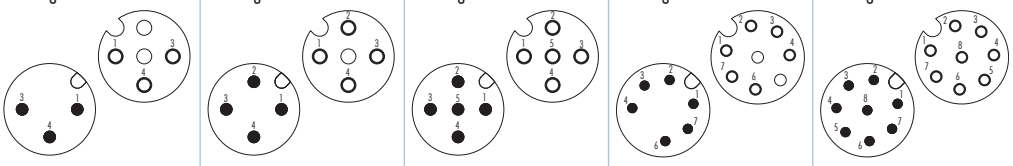
Number of contacts	3	4	5	6	8
Contact-Ø [mm]	0,34	0,34	0,34	0,25	0,25
Nominal current [A]	4	4	4	2	2
Nominal voltage [V~] degree of protection 3	240	240	60	30	30
Test voltage (Breakdown voltage) [V~]	1000	1000	1000	1000	1000
Insulation resistance [MΩ]	$>10^9$	$>10^9$	$>10^9$	$>10^9$	$>10^9$
Max. contact resistance [MΩ]	<5	<5	<5	<5	<5

CONNECTORS M 12

Overmoulded Straight Connector Cordsets M 12, Female and Male Thread

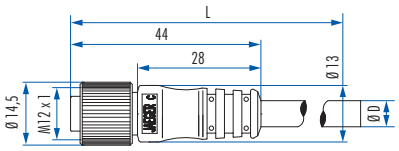
Coding A



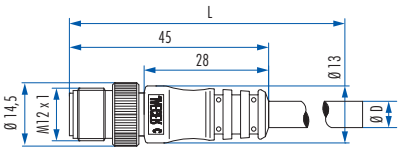


		M 12 3-pole Coding A	M 12 4-pole Coding A	M 12 5-pole Coding A	M 12 6-pole Coding A	M 12 8-pole Coding A
Cable PVC						
0,8 m	Pin	JFMD03M12008C	JFMD04M12008C	JFMD05M12008C	JFMD06M12008C	JFMD08M12008C
	Socket	JFFD03M12008C	JFFD04M12008C	JFFD05M12008C	JFFD06M12008C	JFFD08M12008C
1 m	Pin	JFMD03M12010C	JFMD04M12010C	JFMD05M12010C	JFMD06M12010C	JFMD08M12010C
	Socket	JFFD03M12010C	JFFD04M12010C	JFFD05M12010C	JFFD06M12010C	JFFD08M12010C
2 m	Pin	JFMD03M12020C	JFMD04M12020C	JFMD05M12020C	JFMD06M12020C	JFMD08M12020C
	Socket	JFFD03M12020C	JFFD04M12020C	JFFD05M12020C	JFFD06M12020C	JFFD08M12020C
5 m	Pin	JFMD03M12050C	JFMD04M12050C	JFMD05M12050C	JFMD06M12050C	JFMD08M12050C
	Socket	JFFD03M12050C	JFFD04M12050C	JFFD05M12050C	JFFD06M12050C	JFFD08M12050C
10 m	Pin	JFMD03M12100C	JFMD04M12100C	JFMD05M12100C	JFMD06M12100C	JFMD08M12100C
	Socket	JFFD03M12100C	JFFD04M12100C	JFFD05M12100C	JFFD06M12100C	JFFD08M12100C
Cable PUR						
0,8 m	Pin	JFMD03M12008P	JFMD04M12008P	JFMD05M12008P	JFMD06M12008P	JFMD08M12008P
	Socket	JFFD03M12008P	JFFD04M12008P	JFFD05M12008P	JFFD06M12008P	JFFD08M12008P
1 m	Pin	JFMD03M12010P	JFMD04M12010P	JFMD05M12010P	JFMD06M12010P	JFMD08M12010P
	Socket	JFFD03M12010P	JFFD04M12010P	JFFD05M12010P	JFFD06M12010P	JFFD08M12010P
2 m	Pin	JFMD03M12020P	JFMD04M12020P	JFMD05M12020P	JFMD06M12020P	JFMD08M12020P
	Socket	JFFD03M12020P	JFFD04M12020P	JFFD05M12020P	JFFD06M12020P	JFFD08M12020P
5 m	Pin	JFMD03M12050P	JFMD04M12050P	JFMD05M12050P	JFMD06M12050P	JFMD08M12050P
	Socket	JFFD03M12050P	JFFD04M12050P	JFFD05M12050P	JFFD06M12050P	JFFD08M12050P
10 m	Pin	JFMD03M12100P	JFMD04M12100P	JFMD05M12100P	JFMD06M12100P	JFMD08M12100P
	Socket	JFFD03M12100P	JFFD04M12100P	JFFD05M12100P	JFFD06M12100P	JFFD08M12100P
Cable PVC shielded						
0,8 m	Pin	JFMD03M12008B	JFMD04M12008B	JFMD05M12008B	JFMD06M12008B	JFMD08M12008B
	Socket	JFFD03M12008B	JFFD04M12008B	JFFD05M12008B	JFFD06M12008B	JFFD08M12008B
1 m	Pin	JFMD03M12010B	JFMD04M12010B	JFMD05M12010B	JFMD06M12010B	JFMD08M12010B
	Socket	JFFD03M12010B	JFFD04M12010B	JFFD05M12010B	JFFD06M12010B	JFFD08M12010B
2 m	Pin	JFMD03M12020B	JFMD04M12020B	JFMD05M12020B	JFMD06M12020B	JFMD08M12020B
	Socket	JFFD03M12020B	JFFD04M12020B	JFFD05M12020B	JFFD06M12020B	JFFD08M12020B
5 m	Pin	JFMD03M12050B	JFMD04M12050B	JFMD05M12050B	JFMD06M12050B	JFMD08M12050B
	Socket	JFFD03M12050B	JFFD04M12050B	JFFD05M12050B	JFFD06M12050B	JFFD08M12050B
10 m	Pin	JFMD03M12100B	JFMD04M12100B	JFMD05M12100B	JFMD06M12100B	JFMD08M12100B
	Socket	JFFD03M12100B	JFFD04M12100B	JFFD05M12100B	JFFD06M12100B	JFFD08M12100B

Straight Connector, Female Thread



Straight Connector, Male Thread

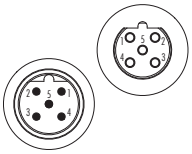


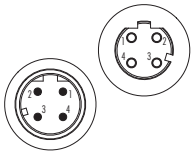
Overmoulded Straight Connector Cordsets with open cable head

Overmoulded Straight Connector Cordsets M 12, Female and Male Thread

Coding B / Coding D

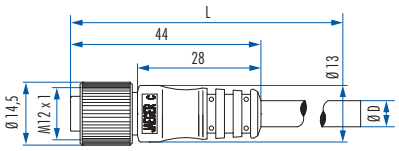




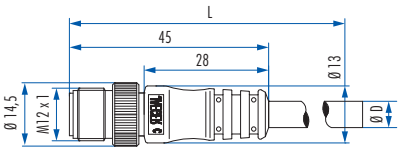


		M 12 5-pole Coding B	M 12 4-pole Coding D
Cable PVC			
0,8 m	Pin	JFMD05B12008C	JFMD04D12008C
	Socket	JFFD05B12008C	JFFD04D12008C
1 m	Pin	JFMD05B12010C	JFMD04D12010C
	Socket	JFFD05B12010C	JFFD04D12010C
2 m	Pin	JFMD05B12020C	JFMD04D12020C
	Socket	JFFD05B12020C	FFD04D12020C
5 m	Pin	JFMD05B12050C	JFMD04D12050C
	Socket	JFFD05B12050C	JFFD04D12050C
10 m	Pin	JFMD05B12100C	JFMD04D12100C
	Socket	JFFD05B12100C	JFFD04D12100C
Cable PUR			
0,8 m	Pin	JFMD05B12008P	JFMD04D12008P
	Socket	JFFD05B12008P	JFFD04D12008P
1 m	Pin	JFMD05B12010P	JFMD04D12010P
	Socket	JFFD05B12010P	JFFD04D12010P
2 m	Pin	JFMD05B12020P	JFMD04D12020P
	Socket	JFFD05B12020P	JFFD04D12020P
5 m	Pin	JFMD05B12050P	JFMD04D12050P
	Socket	JFFD05B12050P	JFFD04D12050P
10 m	Pin	JFMD05B12100P	JFMD04D12100P
	Socket	JFFD05B12100P	JFFD04D12100P
Cable PVC shielded			
0,8 m	Pin	JFMD05B12008B	JFMD04D12008B
	Socket	JFFD05B12008B	JFFD04D12008B
1 m	Pin	JFMD05B12010B	JFMD04D12010B
	Socket	JFFD05B12010B	JFFD04D12010B
2 m	Pin	JFMD05B12020B	JFMD04D12020B
	Socket	JFFD05B12020B	JFFD04D12020B
5 m	Pin	JFMD05B12050B	JFMD04D12050B
	Socket	JFFD05B12050B	JFFD04D12050B
10 m	Pin	JFMD05B12100B	JFMD04D12100B
	Socket	JFFD05B12100B	JFFD04D12100B

Straight Connector, Female Thread



Straight Connector, Male Thread



Overmoulded Straight Connector Cordsets with open cable head

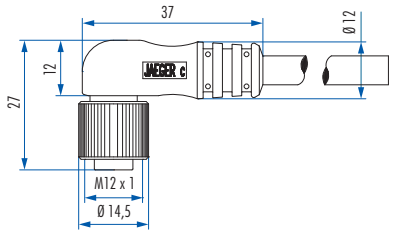
Overmoulded Right Angle Connector Cordsets M 12

Coding A

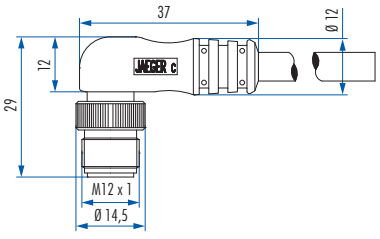


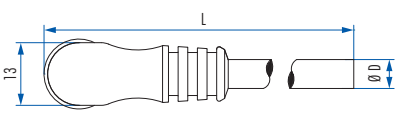
		M 12 3-pole Coding A	M 12 4-pole Coding A	M 12 5-pole Coding A	M 12 6-pole Coding A	M 12 8-pole Coding A
Cable PVC						
0,8 m	Pin	JFMC03M12008C	JFMC04M12008C	JFMC05M12008C	JFMC06M12008C	JFMC08M12008C
	Socket	JFFC03M12008C	JFFC04M12008C	JFFC05M12008C	JFFC06M12008C	JFFC08M12008C
1 m	Pin	JFMC03M12010C	JFMC04M12010C	JFMC05M12010C	JFMC06M12010C	JFMC08M12010C
	Socket	JFFC03M12010C	JFFC04M12010C	JFFC05M12010C	JFFC06M12010C	JFFC08M12010C
2 m	Pin	JFMC03M12020C	JFMC04M12020C	JFMC05M12020C	JFMC06M12020C	JFMC08M12020C
	Socket	JFFC03M12020C	JFFC04M12020C	JFFC05M12020C	JFFC06M12020C	JFFC08M12020C
5 m	Pin	JFMC03M12050C	JFMC04M12050C	JFMC05M12050C	JFMC06M12050C	JFMC08M12050C
	Socket	JFFC03M12050C	JFFC04M12050C	JFFC05M12050C	JFFC06M12050C	JFFC08M12050C
10 m	Pin	JFMC03M12100C	JFMC04M12100C	JFMC05M12100C	JFMC06M12100C	JFMC08M12100C
	Socket	JFFC03M12100C	JFFC04M12100C	JFFC05M12100C	JFFC06M12100C	JFFC08M12100C
Cable PUR						
0,8 m	Pin	JFMC03M12008P	JFMC04M12008P	JFMC05M12008P	JFMC06M12008P	JFMC08M12008P
	Socket	JFFC03M12008P	JFFC04M12008P	JFFC05M12008P	JFFC06M12008P	JFFC08M12008P
1 m	Pin	JFMC03M12010P	JFMC04M12010P	JFMC05M12010P	JFMC06M12010P	JFMC08M12010P
	Socket	JFFC03M12010P	JFFC04M12010P	JFFC05M12010P	JFFC06M12010P	JFFC08M12010P
2 m	Pin	JFMC03M12020P	JFMC04M12020P	JFMC05M12020P	JFMC06M12020P	JFMC08M12020P
	Socket	JFFC03M12020P	JFFC04M12020P	JFFC05M12020P	JFFC06M12020P	JFFC08M12020P
5 m	Pin	JFMC03M12050P	JFMC04M12050P	JFMC05M12050P	JFMC06M12050P	JFMC08M12050P
	Socket	JFFC03M12050P	JFFC04M12050P	JFFC05M12050P	JFFC06M12050P	JFFC08M12050P
10 m	Pin	JFMC03M12100P	JFMC04M12100P	JFMC05M12100P	JFMC06M12100P	JFMC08M12100P
	Socket	JFFC03M12100P	JFFC04M12100P	JFFC05M12100P	JFFC06M12100P	JFFC08M12100P
Cable PVC shielded						
0,8 m	Pin	JFMC03M12008B	JFMC04M12008B	JFMC05M12008B	JFMC06M12008B	JFMC08M12008B
	Socket	JFFC03M12008B	JFFC04M12008B	JFFC05M12008B	JFFC06M12008B	JFFC08M12008B
1 m	Pin	JFMC03M12010B	JFMC04M12010B	JFMC05M12010B	JFMC06M12010B	JFMC08M12010B
	Socket	JFFC03M12010B	JFFC04M12010B	JFFC05M12010B	JFFC06M12010B	JFFC08M12010B
2 m	Pin	JFMC03M12020B	JFMC04M12020B	JFMC05M12020B	JFMC06M12020B	JFMC08M12020B
	Socket	JFFC03M12020B	JFFC04M12020B	JFFC05M12020B	JFFC06M12020B	JFFC08M12020B
5 m	Pin	JFMC03M12050B	JFMC04M12050B	JFMC05M12050B	JFMC06M12050B	JFMC08M12050B
	Socket	JFFC03M12050B	JFFC04M12050B	JFFC05M12050B	JFFC06M12050B	JFFC08M12050B
10 m	Pin	JFMC03M12100B	JFMC04M12100B	JFMC05M12100B	JFMC06M12100B	JFMC08M12100B
	Socket	JFFC03M12100B	JFFC04M12100B	JFFC05M12100B	JFFC06M12100B	JFFC08M12100B

Right Angle Connector (Pin)



Right Angle Connector (Socket)



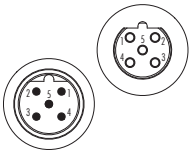


Overmoulded Right Angle Connector Cordsets with open cable head

Overmoulded Right Angle Connector Cordsets M 12

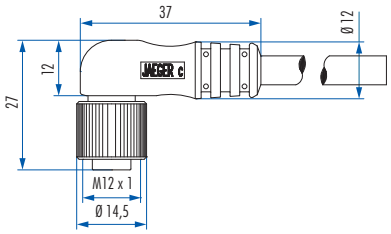
Coding B / Coding D



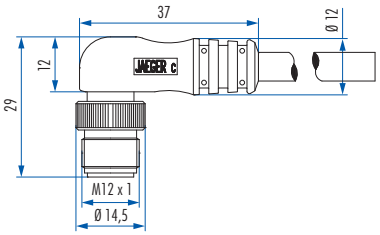


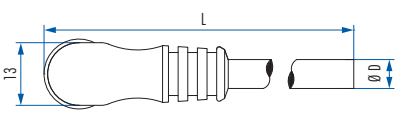
		M 12 5-pole Coding B	M 12 4-pole Coding D
Cable PVC			
0,8 m	Pin	JFMC05B12008C	JFMC04D12008C
	Socket	JFFC05B12008C	JFFC04D12008C
1 m	Pin	JFMC05B12010C	JFMC04D12010C
	Socket	JFFC05B12010C	JFFC04D12010C
2 m	Pin	JFMC05B12020C	JFMC04D12020C
	Socket	JFFC05B12020C	JFFC04D12020C
5 m	Pin	JFMC05B12050C	JFMC04D12050C
	Socket	JFFC05B12050C	JFFC04D12050C
10 m	Pin	JFMC05B12100C	JFMC04D12100C
	Socket	JFFC05B12100C	JFFC04D12100C
Cable PUR			
0,8 m	Pin	JFMC05B12008P	JFMC04D12008P
	Socket	JFFC05B12008P	JFFC04D12008P
1 m	Pin	JFMC05B12010P	JFMC04D12010P
	Socket	JFFC05B12010P	JFFC04D12010P
2 m	Pin	JFMC05B12020P	JFMC04D12020P
	Socket	JFFC05B12020P	JFFC04D12020P
5 m	Pin	JFMC05B12050P	JFMC04D12050P
	Socket	JFFC05B12050P	JFFC04D12050P
10 m	Pin	JFMC05B12100P	JFMC04D12100P
	Socket	JFFC05B12100P	JFFC04D12100P
Cable PVC shielded			
0,8 m	Pin	JFMC05B12008B	JFMC04D12008B
	Socket	JFFC05B12008B	JFFC04D12008B
1 m	Pin	JFMC05B12010B	JFMC04D12010B
	Socket	JFFC05B12010B	JFFC04D12010B
2 m	Pin	JFMC05B12020B	JFMC04D12020B
	Socket	JFFC05B12020B	JFFC04D12020B
5 m	Pin	JFMC05B12050B	JFMC04D12050B
	Socket	JFFC05B12050B	JFFC04D12050B
10 m	Pin	JFMC05B12100B	JFMC04D12100B
	Socket	JFFC05B12100B	JFFC04D12100B

Right Angle Connector (Pin)



Right Angle Connector (Socket)





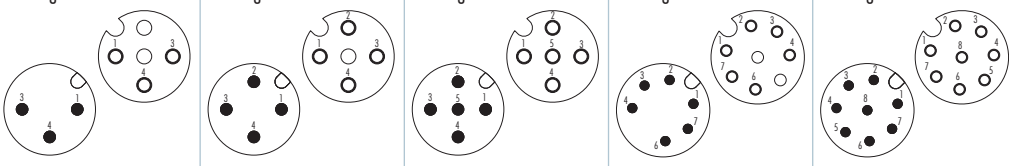
Overmoulded Right Angle Connector Cordsets with open cable head

CONNECTORS M 12

Extension Lines Overmoulded Straight Connector Cordsets M 12, Female and Male Thread

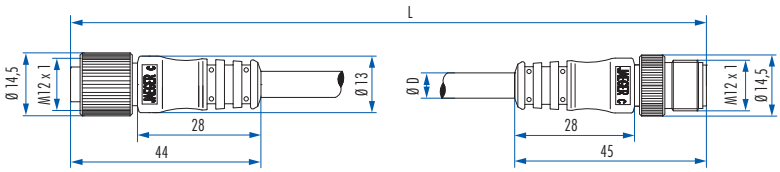
Straight / Straight – Coding A





Cable PVC					
0,8 m	JFFDFMD03M12008C	JFFDFMD04M12008C	JFFDFMD05M12008C	JFFDFMD06M12008C	JFFDFMD08M12008C
1 m	JFFDFMD03M12010C	JFFDFMD04M12010C	JFFDFMD05M12010C	JFFDFMD06M12010C	JFFDFMD08M12010C
2 m	JFFDFMD03M12020C	JFFDFMD04M12020C	JFFDFMD05M12020C	JFFDFMD06M12020C	JFFDFMD08M12020C
5 m	JFFDFMD03M12050C	JFFDFMD04M12050C	JFFDFMD05M12050C	JFFDFMD06M12050C	JFFDFMD08M12050C
10 m	JFFDFMD03M12100C	JFFDFMD04M12100C	JFFDFMD05M12100C	JFFDFMD06M12100C	JFFDFMD08M12100C
Cable PUR					
0,8 m	JFFDFMD03M12008P	JFFDFMD04M12008P	JFFDFMD05M12008P	JFFDFMD06M12008P	JFFDFMD08M12008P
1 m	JFFDFMD03M12010P	JFFDFMD04M12010P	JFFDFMD05M12010P	JFFDFMD06M12010P	JFFDFMD08M12010P
2 m	JFFDFMD03M12020P	JFFDFMD04M12020P	JFFDFMD05M12020P	JFFDFMD06M12020P	JFFDFMD08M12020P
5 m	JFFDFMD03M12050P	JFFDFMD04M12050P	JFFDFMD05M12050P	JFFDFMD06M12050P	JFFDFMD08M12050P
10 m	JFFDFMD03M12100P	JFFDFMD04M12100P	JFFDFMD05M12100P	JFFDFMD06M12100P	JFFDFMD08M12100P
Cable PVC shielded					
0,8 m	JFFDFMD03M12008B	JFFDFMD04M12008B	JFFDFMD05M12008B	JFFDFMD06M12008B	JFFDFMD08M12008B
1 m	JFFDFMD03M12010B	JFFDFMD04M12010B	JFFDFMD05M12010B	JFFDFMD06M12010B	JFFDFMD08M12010B
2 m	JFFDFMD03M12020B	JFFDFMD04M12020B	JFFDFMD05M12020B	JFFDFMD06M12020B	JFFDFMD08M12020B
5 m	JFFDFMD03M12050B	JFFDFMD04M12050B	JFFDFMD05M12050B	JFFDFMD06M12050B	JFFDFMD08M12050B
10 m	JFFDFMD03M12100B	JFFDFMD04M12100B	JFFDFMD05M12100B	JFFDFMD06M12100B	JFFDFMD08M12100B

Straight Connector, Female Thread / Straight Connector, Male Thread



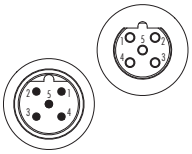
Overmoulded Extension Line „straight / straight"

Dimensions and specifications may be changed without prior notice

Extension Lines Overmoulded Straight Connector Cordsets M 12, Female and Male Thread

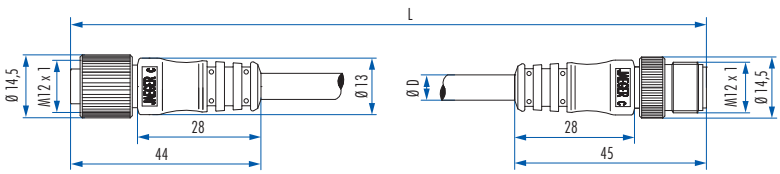
Straight / Straight – Coding B / Coding D





	M 12 5-pole Coding B	M 12 4-pole Coding D
Cable PVC		
0,8 m	JFFDFMD05B12008C	JFFDFMD04D12008C
1 m	JFFDFMD05B12010C	JFFDFMD04D12010C
2 m	JFFDFMD05B12020C	JFFDFMD04D12020C
5 m	JFFDFMD05B12050C	JFFDFMD04D12050C
10 m	JFFDFMD05B12100C	JFFDFMD04D12100C
Cable PUR		
0,8 m	JFFDFMD05B12008P	JFFDFMD04D12008P
1 m	JFFDFMD05B12010P	JFFDFMD04D12010P
2 m	JFFDFMD05B12020P	JFFDFMD04D12020P
5 m	JFFDFMD05B12050P	JFFDFMD04D12050P
10 m	JFFDFMD05B12100P	JFFDFMD04D12100P
Cable PVC shielded		
0,8 m	JFFDFMD05B12008B	JFFDFMD04D12008B
1 m	JFFDFMD05B12010B	JFFDFMD04D12010B
2 m	JFFDFMD05B12020B	JFFDFMD04D12020B
5 m	JFFDFMD05B12050B	JFFDFMD04D12050B
10 m	JFFDFMD05B12100B	JFFDFMD04D12100B

Straight Connector, Female Thread / Straight Connector, Male Thread



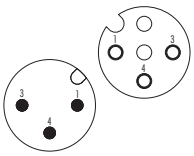
Overmoulded Extension Line „straight / straight"

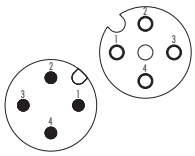
CONNECTORS M 12

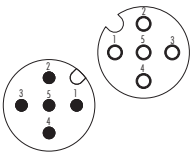
Extension Lines Overmoulded Straight Connector Cordsets M 12, Female and Male Thread

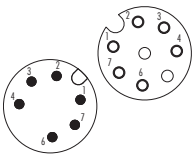
Straight / Right Angle – Coding A

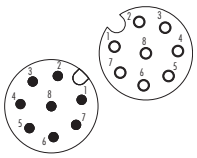






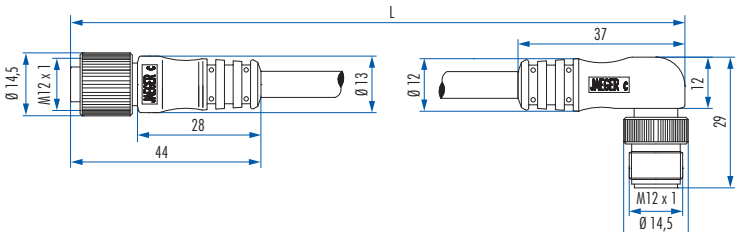


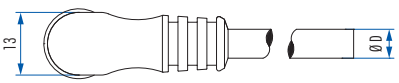




		M 12 / M 12 3-pole Coding A	M 12 / M 12 4-pole Coding A	M 12 / M 12 5-pole Coding A	M 12 / M 12 6-pole Coding A	M 12 / M 12 8-pole Coding A
Cable PVC						
0,8 m	Pin Right Angle Socket Straight	JFFDFMC03M12008C	JFFDFMC04M12008C	JFFDFMC05M12008C	JFFDFMC06M12008C	JFFDFMC08M12008C
1 m	Pin Right Angle Socket Straight	JFFDFMC03M12010C	JFFDFMC04M12010C	JFFDFMC05M12010C	JFFDFMC06M12010C	JFFDFMC08M12010C
2 m	Pin Right Angle Socket Straight	JFFDFMC03M12020C	JFFDFMC04M12020C	JFFDFMC05M12020C	JFFDFMC06M12020C	JFFDFMC08M12020C
5 m	Pin Right Angle Socket Straight	JFFDFMC03M12050C	JFFDFMC04M12050C	JFFDFMC05M12050C	JFFDFMC06M12050C	JFFDFMC08M12050C
10 m	Pin Right Angle Socket Straight	JFFDFMC03M12100C	JFFDFMC04M12100C	JFFDFMC05M12100C	JFFDFMC06M12100C	JFFDFMC08M12100C
Cable PUR						
0,8 m	Pin Right Angle Socket Straight	JFFDFMC03M12008P	JFFDFMC04M12008P	JFFDFMC05M12008P	JFFDFMC06M12008P	JFFDFMC08M12008P
1 m	Pin Right Angle Socket Straight	JFFDFMC03M12010P	JFFDFMC04M12010P	JFFDFMC05M12010P	JFFDFMC06M12010P	JFFDFMC08M12010P
2 m	Pin Right Angle Socket Straight	JFFDFMC03M12020P	JFFDFMC04M12020P	JFFDFMC05M12020P	JFFDFMC06M12020P	JFFDFMC08M12020P
5 m	Pin Right Angle Socket Straight	JFFDFMC03M12050P	JFFDFMC04M12050P	JFFDFMC05M12050P	JFFDFMC06M12050P	JFFDFMC08M12050P
10 m	Pin Right Angle Socket Straight	JFFDFMC03M12100P	JFFDFMC04M12100P	JFFDFMC05M12100P	JFFDFMC06M12100P	JFFDFMC08M12100P
Cable PVC shielded						
0,8 m	Pin Right Angle Socket Straight	JFFDFMC03M12008B	JFFDFMC04M12008B	JFFDFMC05M12008B	JFFDFMC06M12008B	JFFDFMC08M12008B
1 m	Pin Right Angle Socket Straight	JFFDFMC03M12010B	JFFDFMC04M12010B	JFFDFMC05M12010B	JFFDFMC06M12010B	JFFDFMC08M12010B
2 m	Pin Right Angle Socket Straight	JFFDFMC03M12020B	JFFDFMC04M12020B	JFFDFMC05M12020B	JFFDFMC06M12020B	JFFDFMC08M12020B
5 m	Pin Right Angle Socket Straight	JFFDFMC03M12050B	JFFDFMC04M12050B	JFFDFMC05M12050B	JFFDFMC06M12050B	JFFDFMC08M12050B
10 m	Pin Right Angle Socket Straight	JFFDFMC03M12100B	JFFDFMC04M12100B	JFFDFMC05M12100B	JFFDFMC06M12100B	JFFDFMC08M12100B#

Straight Connector, Female Thread / Straight Connector, Male Thread (Right Angle)



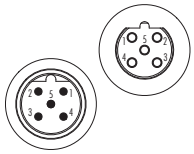


Overmoulded Extension Line „straight / right angle“

Extension Lines Overmoulded Straight Connector Cordsets M 12, Female and Male Thread

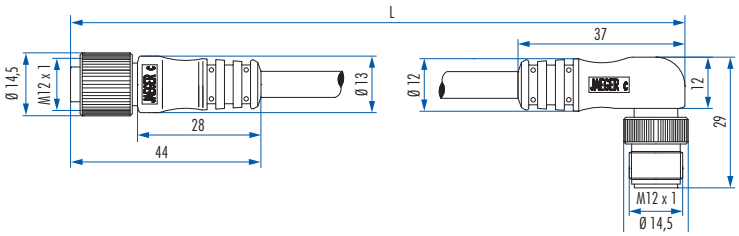
Straight / Right Angle – Coding B / Coding D

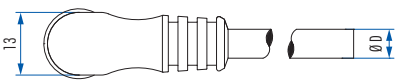




		M 12 / M 12 5-pole Coding B	M 12 / M 12 4-pole Coding D
Cable PVC			
0,8 m	Pin Right Angle Socket Straight	JFFDFMC05B12008C	JFFDFMC04D12008C
1 m	Pin Right Angle Socket Straight	JFFDFMC05B12010C	JFFDFMC04D12010C
2 m	Pin Right Angle Socket Straight	JFFDFMC05B12020C	JFFDFMC04D12020C
5 m	Pin Right Angle Socket Straight	JFFDFMC05B12050C	JFFDFMC04D12050C
10 m	Pin Right Angle Socket Straight	JFFDFMC05B12100C	JFFDFMC04D12100C
Cable PUR			
0,8 m	Pin Right Angle Socket Straight	JFFDFMC05B12008P	JFFDFMC04D12008P
1 m	Pin Right Angle Socket Straight	JFFDFMC05B12010P	JFFDFMC04D12010P
2 m	Pin Right Angle Socket Straight	JFFDFMC05B12020P	JFFDFMC04D12020P
5 m	Pin Right Angle Socket Straight	JFFDFMC05B12050P	JFFDFMC04D12050P
10 m	Pin Right Angle Socket Straight	JFFDFMC05B12100P	JFFDFMC04D12100P
Cable PVC shielded			
0,8 m	Pin Right Angle Socket Straight	JFFDFMC05B12008B	JFFDFMC04D12008B
1 m	Pin Right Angle Socket Straight	JFFDFMC05B12010B	JFFDFMC04D12010B
2 m	Pin Right Angle Socket Straight	JFFDFMC05B12020B	JFFDFMC04D12020B
5 m	Pin Right Angle Socket Straight	JFFDFMC05B12050B	JFFDFMC04D12050B
10 m	Pin Right Angle Socket Straight	JFFDFMC05B12100B	JFFDFMC04D12100B

Straight Connector, Female Thread / Straight Connector, Male Thread (Right Angle)



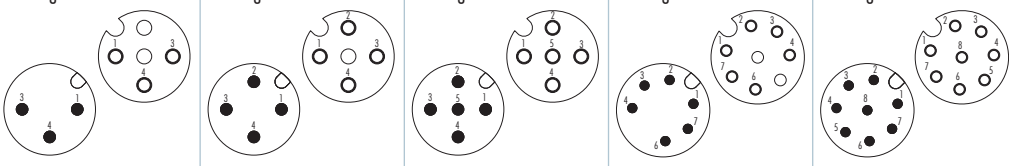


Overmoulded Extension Line „straight / right angle“

Extension Lines Overmoulded Straight Connector Cordsets M 12, Female and Male Thread

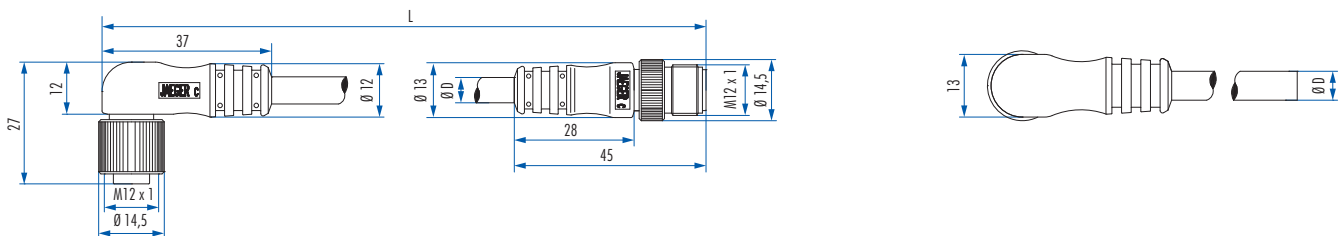
Right Angle / Straight – Coding A





		M12 / M12 3-pole Coding A	M12 / M12 4-pole Coding A	M12 / M12 5-pole Coding A	M12 / M12 6-pole Coding A	M12 / M12 8-pole Coding A
Cable PVC						
0,8 m	Pin Straight Socket Right Angle	JFFCFMD03M12008C	JFFCFMD04M12008C	JFFCFMD05M12008C	JFFCFMD06M12008C	JFFCFMD08M12008C
1 m	Pin Straight Socket Right Angle	JFFCFMD03M12010C	JFFCFMD04M12010C	JFFCFMD05M12010C	JFFCFMD06M12010C	JFFCFMD08M12010C
2 m	Pin Straight Socket Right Angle	JFFCFMD03M12020C	JFFCFMD04M12020C	JFFCFMD05M12020C	JFFCFMD06M12020C	JFFCFMD08M12020C
5 m	Pin Straight Socket Right Angle	JFFCFMD03M12050C	JFFCFMD04M12050C	JFFCFMD05M12050C	JFFCFMD06M12050C	JFFCFMD08M12050C
10 m	Pin Straight Socket Right Angle	JFFCFMD03M12100C	JFFCFMD04M12100C	JFFCFMD05M12100C	JFFCFMD06M12100C	JFFCFMD08M12100C
Cable PUR						
0,8 m	Pin Straight Socket Right Angle	JFFCFMD03M12008P	JFFCFMD04M12008P	JFFCFMD05M12008P	JFFCFMD06M12008P	JFFCFMD08M12008P
1 m	Pin Straight Socket Right Angle	JFFCFMD03M12010P	JFFCFMD04M12010P	JFFCFMD05M12010P	JFFCFMD06M12010P	JFFCFMD08M12010P
2 m	Pin Straight Socket Right Angle	JFFCFMD03M12020P	JFFCFMD04M12020P	JFFCFMD05M12020P	JFFCFMD06M12020P	JFFCFMD08M12020P
5 m	Pin Straight Socket Right Angle	JFFCFMD03M12050P	JFFCFMD04M12050P	JFFCFMD05M12050P	JFFCFMD06M12050P	JFFCFMD08M12050P
10 m	Pin Straight Socket Right Angle	JFFCFMD03M12100P	JFFCFMD04M12100P	JFFCFMD05M12100P	JFFCFMD06M12100P	JFFCFMD08M12100P
Cable PVC shielded						
0,8 m	Pin Straight Socket Right Angle	JFFCFMD03M12008B	JFFCFMD04M12008B	JFFCFMD05M12008B	JFFCFMD06M12008B	JFFCFMD08M12008B
1 m	Pin Straight Socket Right Angle	JFFCFMD03M12010B	JFFCFMD04M12010B	JFFCFMD05M12010B	JFFCFMD06M12010B	JFFCFMD08M12010B
2 m	Pin Straight Socket Right Angle	JFFCFMD03M12020B	JFFCFMD04M12020B	JFFCFMD05M12020B	JFFCFMD06M12020B	JFFCFMD08M12020B
5 m	Pin Straight Socket Right Angle	JFFCFMD03M12050B	JFFCFMD04M12050B	JFFCFMD05M12050B	JFFCFMD06M12050B	JFFCFMD08M12050B
10 m	Pin Straight Socket Right Angle	JFFCFMD03M12100B	JFFCFMD04M12100B	JFFCFMD05M12100B	JFFCFMD06M12100B	JFFCFMD08M12100B

Straight Connector, Female Thread (Right Angle) / Straight Connector, Male Thread

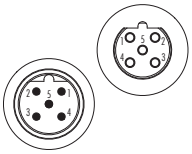


Overmoulded Extension Line „right angle / straight“

Extension Lines Overmoulded Straight Connector Cordsets M 12, Female and Male Thread

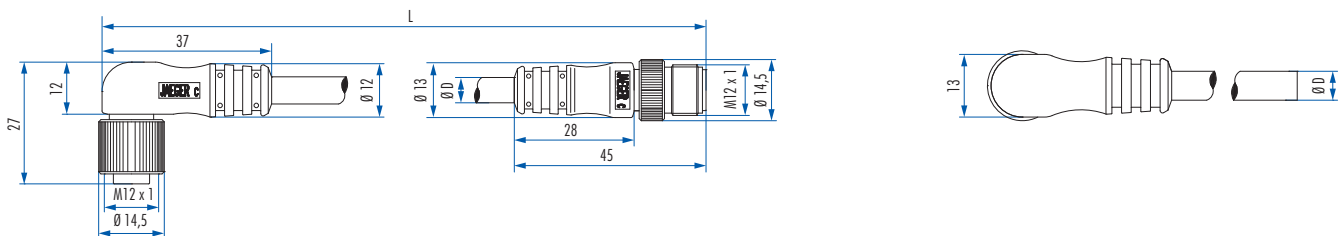
Right Angle / Straight – Coding B / Coding D





		M 12 / M 12 5-pole Coding B	M 12 / M 12 4-pole Coding D
Cable PVC			
0,8 m	Pin Straight Socket Right Angle	JFFCFMD05B12008C	JFFCFMD04D12008C
1 m	Pin Straight Socket Right Angle	JFFCFMD05B12010C	JFFCFMD04D12010C
2 m	Pin Straight Socket Right Angle	JFFCFMD05B12020C	JFFCFMD04D12020C
5 m	Pin Straight Socket Right Angle	JFFCFMD05B12050C	JFFCFMD04D12050C
10 m	Pin Straight Socket Right Angle	JFFCFMD05B12100C	JFFCFMD04D12100C
Cable PUR			
0,8 m	Pin Straight Socket Right Angle	JFFCFMD05B12008P	JFFCFMD04D12008P
1 m	Pin Straight Socket Right Angle	JFFCFMD05B12010P	JFFCFMD04D12010P
2 m	Pin Straight Socket Right Angle	JFFCFMD05B12020P	JFFCFMD04D12020P
5 m	Pin Straight Socket Right Angle	JFFCFMD05B12050P	JFFCFMD04D12050P
10 m	Pin Straight Socket Right Angle	JFFCFMD05B12100P	JFFCFMD04D12100P
Cable PVC shielded			
0,8 m	Pin Straight Socket Right Angle	JFFCFMD05B12008B	JFFCFMD04D12008B
1 m	Pin Straight Socket Right Angle	JFFCFMD05B12010B	JFFCFMD04D12010B
2 m	Pin Straight Socket Right Angle	JFFCFMD05B12020B	JFFCFMD04D12020B
5 m	Pin Straight Socket Right Angle	JFFCFMD05B12050B	JFFCFMD04D12050B
10 m	Pin Straight Socket Right Angle	JFFCFMD05B12100B	JFFCFMD04D12100B

Straight Connector, Female Thread (Right Angle) / Straight Connector, Male Thread

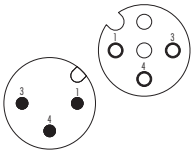
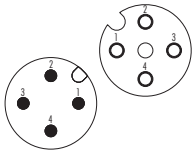
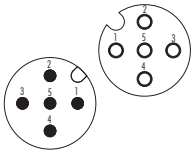
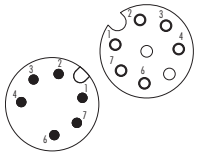
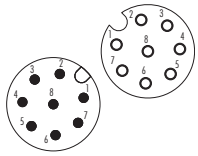


Overmoulded Extension Line „right angle / straight“

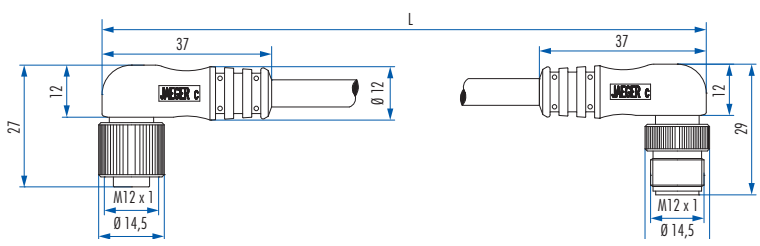
Overmoulded Extension Lines Right Angle Connector Cordsets M 12

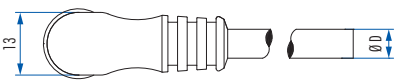
Right Angle / Right Angle – Coding A



	M 12 / M 12 3-pole Coding A	M 12 / M 12 4-pole Coding A	M 12 / M 12 5-pole Coding A	M 12 / M 12 6-pole Coding A	M 12 / M 12 8-pole Coding A
					
Cable PVC					
0,8 m	JFFCFMC03M12008C	JFFCFMC04M12008C	JFFCFMC05M12008C	JFFCFMC06M12008C	JFFCFMC08M12008C
1 m	JFFCFMC03M12010C	JFFCFMC04M12010C	JFFCFMC05M12010C	JFFCFMC06M12010C	JFFCFMC08M12010C
2 m	JFFCFMC03M12020C	JFFCFMC04M12020C	JFFCFMC05M12020C	JFFCFMC06M12020C	JFFCFMC08M12020C
5 m	JFFCFMC03M12050C	JFFCFMC04M12050C	JFFCFMC05M12050C	JFFCFMC06M12050C	JFFCFMC08M12050C
10 m	JFFCFMC03M12100C	JFFCFMC04M12100C	JFFCFMC05M12100C	JFFCFMC06M12100C	JFFCFMC08M12100C
Cable PUR					
0,8 m	JFFCFMC03M12008P	JFFCFMC04M12008P	JFFCFMC05M12008P	JFFCFMC06M12008P	JFFCFMC08M12008P
1 m	JFFCFMC03M12010P	JFFCFMC04M12010P	JFFCFMC05M12010P	JFFCFMC06M12010P	JFFCFMC08M12010P
2 m	JFFCFMC03M12020P	JFFCFMC04M12020P	JFFCFMC05M12020P	JFFCFMC06M12020P	JFFCFMC08M12020P
5 m	JFFCFMC03M12050P	JFFCFMC04M12050P	JFFCFMC05M12050P	JFFCFMC06M12050P	JFFCFMC08M12050P
10 m	JFFCFMC03M12100P	JFFCFMC04M12100P	JFFCFMC05M12100P	JFFCFMC06M12100P	JFFCFMC08M12100P
Cable PVC shielded					
0,8 m	JFFCFMC03M12008B	JFFCFMC04M12008B	JFFCFMC05M12008B	JFFCFMC06M12008B	JFFCFMC08M12008B
1 m	JFFCFMC03M12010B	JFFCFMC04M12010B	JFFCFMC05M12010B	JFFCFMC06M12010B	JFFCFMC08M12010B
2 m	JFFCFMC03M12020B	JFFCFMC04M12020B	JFFCFMC05M12020B	JFFCFMC06M12020B	JFFCFMC08M12020B
5 m	JFFCFMC03M12050B	JFFCFMC04M12050B	JFFCFMC05M12050B	JFFCFMC06M12050B	JFFCFMC08M12050B
10 m	JFFCFMC03M12100B	JFFCFMC04M12100B	JFFCFMC05M12100B	JFFCFMC06M12100B	JFFCFMC08M12100B

Right Angle Connector (Socket) / Right Angle Connector (Pin)



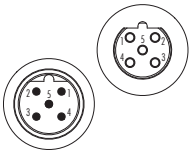


Overmoulded Extension Line „right angle / right angle“

Overmoulded Extension Lines Right Angle Connector Cordsets M 12

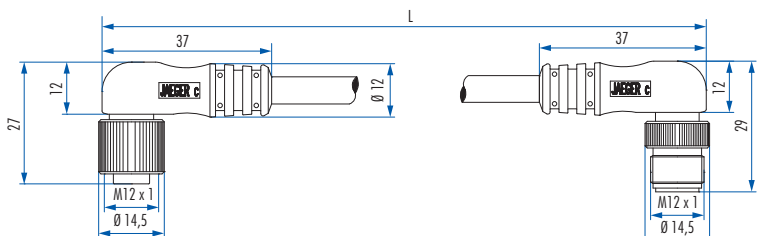
Right Angle / Right Angle – Coding B / Coding D

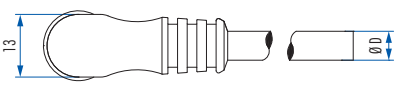




	M 12 / M 12 5-pole Coding B	M 12 / M 12 4-pole Coding D
Cable PVC		
0,8 m	JFFCFMC05B12008C	JFFCFMC04D12008C
1 m	JFFCFMC05B12010C	JFFCFMC04D12010C
2 m	JFFCFMC05B12020C	JFFCFMC04D12020C
5 m	JFFCFMC05B12050C	JFFCFMC04D12050C
10 m	JFFCFMC05B12100C	JFFCFMC04D12100C
Cable PUR		
0,8 m	JFFCFMC05B12008P	JFFCFMC04D12008P
1 m	JFFCFMC05B12010P	JFFCFMC04D12010P
2 m	JFFCFMC05B12020P	JFFCFMC04D12020P
5 m	JFFCFMC05B12050P	JFFCFMC04D12050P
10 m	JFFCFMC05B12100P	JFFCFMC04D12100P
Cable PVC shielded		
0,8 m	JFFCFMC05B12008B	JFFCFMC04D12008B
1 m	JFFCFMC05B12010B	JFFCFMC04D12010B
2 m	JFFCFMC05B12020B	JFFCFMC04D12020B
5 m	JFFCFMC05B12050B	JFFCFMC04D12050B
10 m	JFFCFMC05B12100B	JFFCFMC04D12100B

Right Angle Connector (Socket) / Right Angle Connector (Pin)





Overmoulded Extension Line „right angle / right angle“

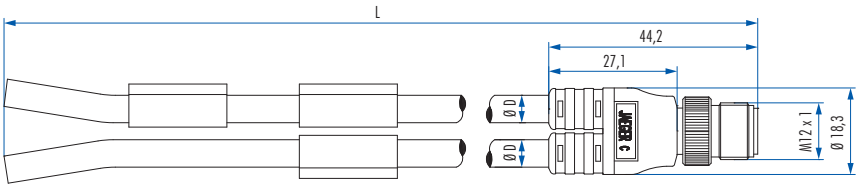
Overmoulded Y-Connector Cordsets M 12

„Y“



	M 12 „Y“ 3-pole	M 12 „Y“ 4-pole	M 12 „Y“ 5-pole
Cable PVC			
0,3 m	JYM12403003C	JYM12504003C	JYM12505003C
0,6 m	JYM12403006C	JYM12504006C	JYM12505006C
0,8 m	JYM12403008C	JYM12504008C	JYM12505008C
1 m	JYM12403010C	JYM12504010C	JYM12505010C
Cable PUR			
0,3 m	JYM12403003P	JYM12504003P	JYM12505003P
0,6 m	JYM12403006P	JYM12504006P	JYM12505006P
0,8 m	JYM12403008P	JYM12504008P	JYM12505008P
1 m	JYM12403010P	JYM12504010P	JYM12505010P

Y-Connector (Pin)

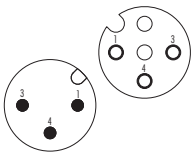
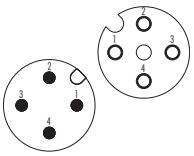
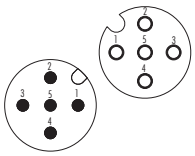


Overmoulded Y-Connector Cordsets with open cable head

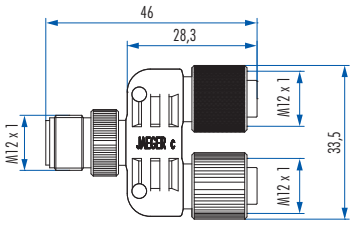
Overmoulded T-Connector Cordsets M 12

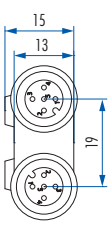
„T"



	M 12 „T" 3-pole	M 12 „T" 4-pole	M 12 „T" 5-pole
			
1 x Pin / 2 x Socket	JTM04FF03	JTM05FF04	JTM05FF05

T-Connector (1 x Pin / 2 x Socket)





Overmoulded T-Connector

Panel Connectors M 12

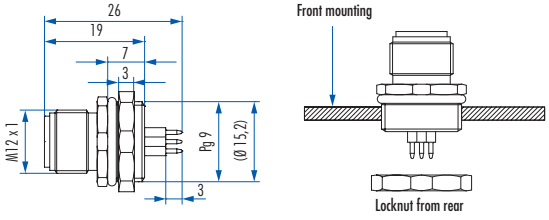
Panel Connectors „Solder Contacts“



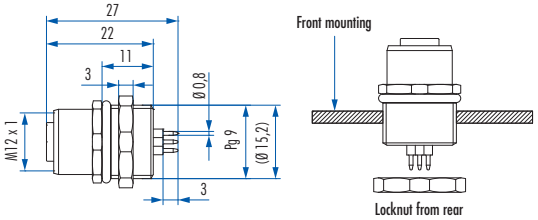
		M 12 3-pole Coding A	M 12 4-pole Coding A	M 12 5-pole Coding A	M 12 6-pole Coding A	M 12 8-pole Coding A
Metal Housing						
Rear mounting [1]	Pin	JEM03M12PG9BMCI	JEM04M12PG9BMCI	JEM05M12PG9BMCI	JEM06M12PG9BMCI	JEM08M12PG9BMCI
	Socket	JEF03M12PG9BMCI	JEF04M12PG9BMCI	JEF05M12PG9BMCI	JEF06M12PG9BMCI	JEF08M12PG9BMCI
Front mounting [2]	Pin	JEM03M12PG9FMCI	JEM04M12PG9FMCI	JEM05M12PG9FMCI	JEM06M12PG9FMCI	JEM08M12PG9FMCI
	Socket	JEF03M12PG9FMCI	JEF04M12PG9FMCI	JEF05M12PG9FMCI	JEF06M12PG9FMCI	JEF08M12PG9FMCI
Plastic Housing						
Rear mounting [1]	Pin	JEM03M12PG9BPCI	JEM04M12PG9BPCI	JEM05M12PG9BPCI	JEM06M12PG9BFCI	JEM08M12PG9BPCI
	Socket	JEF03M12PG9BPCI	JEF04M12PG9BPCI	JEF05M12PG9BPCI	JEF06M12PG9BFCI	JEF08M12PG9BPCI
Front mounting [2]	Pin	JEM03M12PG9FPCI	JEM04M12PG9FPCI	JEM05M12PG9FPCI	JEM06M12PG9FPCI	JEM08M12PG9FPCI
	Socket	JEF03M12PG9FPCI	JEF04M12PG9FPCI	JEF05M12PG9FPCI	JEF06M12PG9FPCI	JEF08M12PG9FPCI

[1] Rear mounting, locknut from the front
[2] Front mounting, locknut from rear

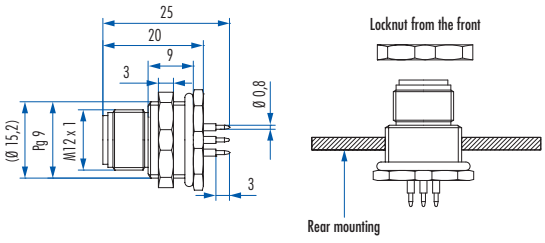
Front mounting (Pin)



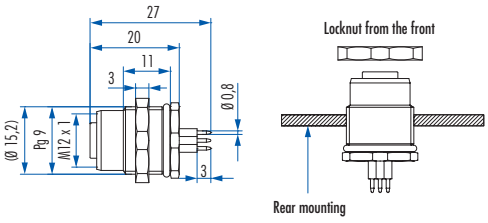
Front mounting (Socket)



Rear mounting (Pin)



Rear mounting (Socket)



Panel Connector „Solder Contacts“

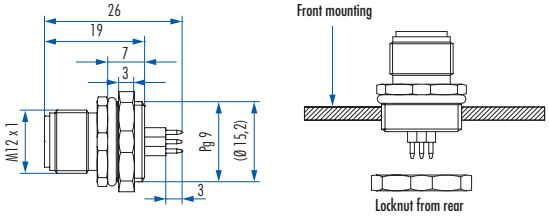
Panel Connectors „Solder Contacts“



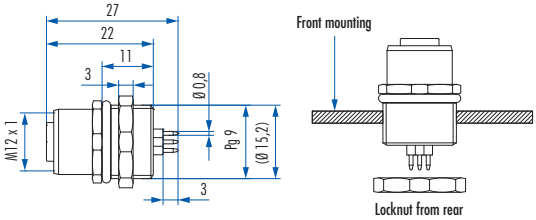
		M 12 5-pole Coding B	M 12 4-pole Coding D
Metal Housing			
Rear mounting [1]	Pin	JEM05B12PG9BMCI	JEM04D12PG9BMCI
	Socket	JEF05B12PG9BMCI	JEF04D12PG9BMCI
Front mounting [2]	Pin	JEM05B12PG9FMCI	JEM04D12PG9FMCI
	Socket	JEF05B12PG9FMCI	JEF04D12PG9FMCI
Plastic Housing			
Rear mounting [1]	Pin	JEM05B12PG9BPCI	JEM04D12PG9BPCI
	Socket	JEF05B12PG9BPCI	JEF04D12PG9BPCI
Front mounting [2]	Pin	JEM05B12PG9FPCI	JEM04D12PG9FPCI
	Socket	JEF05B12PG9FPCI	JEF04D12PG9FPCI

[1] Rear mounting, locknut from the front
[2] Front mounting, locknut from rear

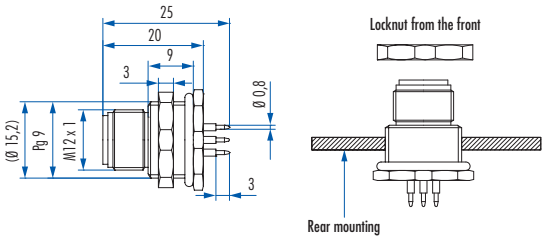
Front mounting (Pin)



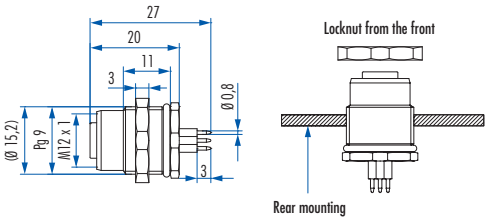
Front mounting (Socket)



Rear mounting (Pin)



Rear mounting (Socket)

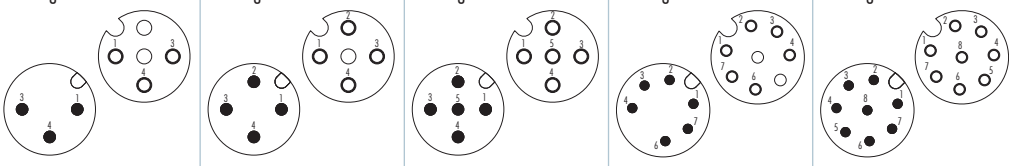


Panel Connector „Solder Contacts“

Panel Connector M 12

Panel Connectors with cable

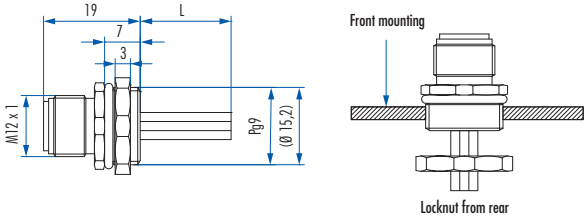




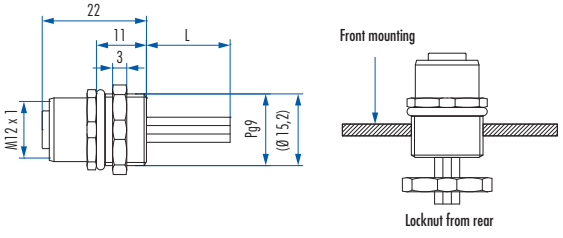
		M 12 3-pole Coding A	M 12 4-pole Coding A	M 12 5-pole Coding A	M 12 6-pole Coding A	M 12 8-pole Coding A
Metal Housing						
40 cm Rear mounting [1]	Pin	JEM03M12PG9BM40	JEM04M12PG9BM40	JEM05M12PG9BM40	JEM06M12PG9BM40	JEM08M12PG9BM40
	Socket	JEF03M12PG9BM40	JEF04M12PG9BM40	JEF05M12PG9BM40	JEF06M12PG9BM40	JEF08M12PG9BM40
40 cm Front mounting [2]	Pin	JEM03M12PG9FM40	JEM04M12PG9FM40	JEM05M12PG9FM40	JEM06M12PG9FM40	JEM08M12PG9FM40
	Socket	JEF03M12PG9FM40	JEF04M12PG9FM40	JEF05M12PG9FM40	JEF06M12PG9FM40	JEF08M12PG9FM40
50 cm Rear mounting [1]	Pin	JEM03M12PG9BM50	JEM04M12PG9BM50	JEM05M12PG9BM50	JEM06M12PG9BM50	JEM08M12PG9BM50
	Socket	JEF03M12PG9BM50	JEF04M12PG9BM50	JEF05M12PG9BM50	JEF06M12PG9BM50	JEF08M12PG9BM50
50 cm Front mounting [2]	Pin	JEM03M12PG9FM50	JEM04M12PG9FM50	JEM05M12PG9FM50	JEM06M12PG9FM50	JEM08M12PG9FM50
	Socket	JEF03M12PG9FM50	JEF04M12PG9FM50	JEF05M12PG9FM50	JEF06M12PG9FM50	JEF08M12PG9FM50
Plastic Housing						
40 cm Rear mounting [1]	Pin	JEM03M12PG9BP40	JEM04M12PG9BP40	JEM05M12PG9BP40	JEM06M12PG9BP40	JEM08M12PG9BP40
	Socket	JEF03M12PG9BP40	JEF04M12PG9BP40	JEF05M12PG9BP40	JEF06M12PG9BP40	JEF08M12PG9BP40
40 cm Front mounting [2]	Pin	JEM03M12PG9FP40	JEM04M12PG9FP40	JEM05M12PG9FP40	JEM06M12PG9FP40	JEM08M12PG9FP40
	Socket	JEF03M12PG9FP40	JEF04M12PG9FP40	JEF05M12PG9FP40	JEF06M12PG9FP40	JEF08M12PG9FP40
50 cm Rear mounting [1]	Pin	JEM03M12PG9BP50	JEM04M12PG9BP50	JEM05M12PG9BP50	JEM06M12PG9BP50	JEM08M12PG9BP50
	Socket	JEF03M12PG9BP50	JEF04M12PG9BP50	JEF05M12PG9BP50	JEF06M12PG9BP50	JEF08M12PG9BP50
50 cm Front mounting [2]	Pin	JEM03M12PG9FP50	JEM04M12PG9FP50	JEM05M12PG9FP50	JEM06M12PG9FP50	JEM08M12PG9FP50
	Socket	JEF03M12PG9FP50	JEF04M12PG9FP50	JEF05M12PG9FP50	JEF06M12PG9FP50	JEF08M12PG9FP50

[1] Rear mounting, locknut from the front
[2] Front mounting, locknut from rear

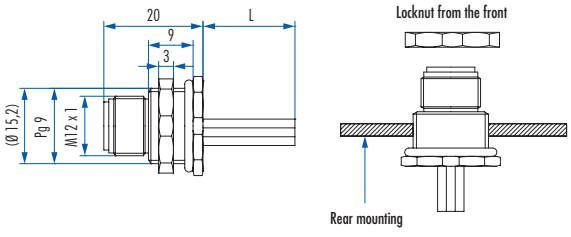
Front mounting (Pin)



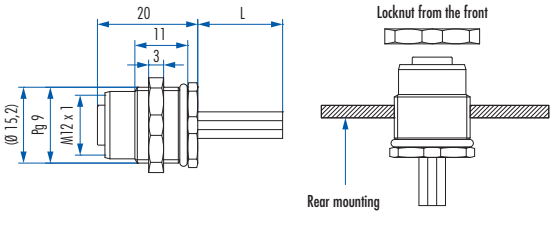
Front mounting (Socket)



Rear mounting (Pin)



Rear mounting (Socket)



Panel Connectors with open cable head

Panel Connector M 12

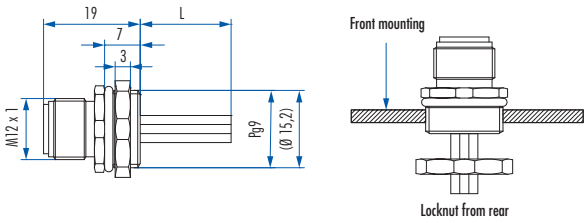
Panel Connectors with cable



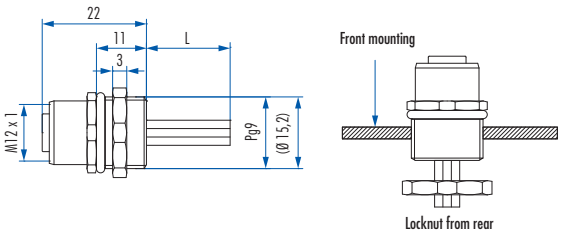
		M 12 5-pole Coding B	M 12 4-pole Coding D
Metal Housing			
40 cm Rear mounting [1]	Pin	JEM05B12PG9BM40	JEM04D12PG9BM40
	Socket	JEF05B12PG9BM40	JEF04D12PG9BM40
40 cm Front mounting [2]	Pin	JEM05B12PG9FM40	JEM04D12PG9FM40
	Socket	JEF05B12PG9FM40	JEF04D12PG9FM40
50 cm Rear mounting [1]	Pin	JEM05B12PG9BM50	JEM04D12PG9BM50
	Socket	JEF05B12PG9BM50	JEF04D12PG9BM50
50 cm Front mounting [2]	Pin	JEM05B12PG9FM50	JEM04D12PG9FM50
	Socket	JEF05B12PG9FM50	JEF04D12PG9FM50
Plastic Housing			
40 cm Rear mounting [1]	Pin	JEM05B12PG9BP40	JEM04D12PG9BP40
	Socket	JEF05B12PG9BP40	JEF04D12PG9BP40
40 cm Front mounting [2]	Pin	JEM05B12PG9FP40	JEM04D12PG9FP40
	Socket	JEF05B12PG9FP40	JEF04D12PG9FP40
50 cm Rear mounting [1]	Pin	JEM05B12PG9BP50	JEM04D12PG9BP50
	Socket	JEF05B12PG9BP50	JEF04D12PG9BP50
50 cm Front mounting [2]	Pin	JEM05B12PG9FP50	JEM04D12PG9FP50
	Socket	JEF05B12PG9FP50	JEF04D12PG9FP50

[1] Rear mounting, locknut from the front
[2] Front mounting, locknut from rear

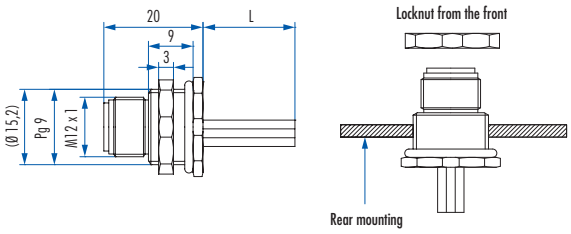
Front mounting (Pin)



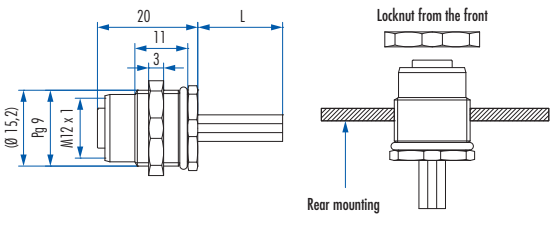
Front mounting (Socket)



Rear mounting (Pin)



Rear mounting (Socket)

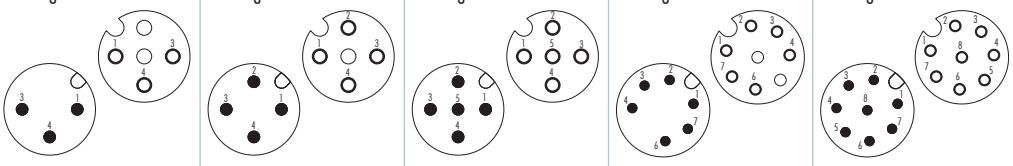


Panel Connectors with open cable head

Panel Connector M 12

Panel Connectors „Solder Contacts“

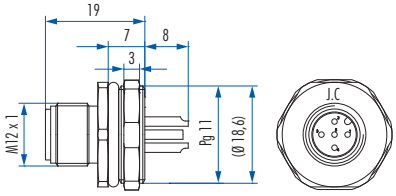


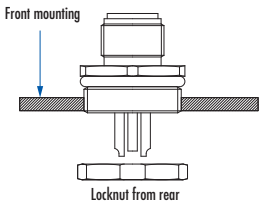


		M 12 3-pole Coding A	M 12 4-pole Coding A	M 12 5-pole Coding A	M 12 6-pole Coding A	M 12 8-pole Coding A
Metal Housing						
Rear mounting [1]	Socket	JEF03M12PG9BMSO	JEF04M12PG9BMSO	JEF05M12PG9BMSO	JEF06M12PG9BMSO	JEF08M12PG9BMSO
Front mounting [2]	Pin	JEM03M12PG11FMSO	JEM04M12PG11FMSO	JEM05M12PG11FMSO	JEM06M12PG11FMSO	JEM08M12PG11FMSO
Plastic Housing						
Rear mounting [1]	Socket	JEF03M12PG9BPSO	JEF04M12PG9BPSO	JEF05M12PG9BPSO	JEF06M12PG9BPSO	JEF08M12PG9BPSO
Front mounting [2]	Pin	JEM03M12PG11FPSO	JEM04M12PG11FPSO	JEM05M12PG11FPSO	JEM06M12PG11FPSO	JEM08M12PG11FPSO

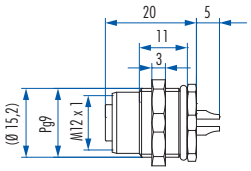
[1] Rear mounting, locknut from the front
[2] Front mounting, locknut from rear

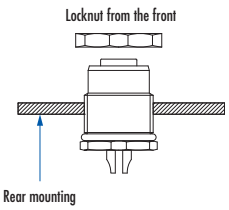
Front mounting (Pin)





Rear mounting (Socket)





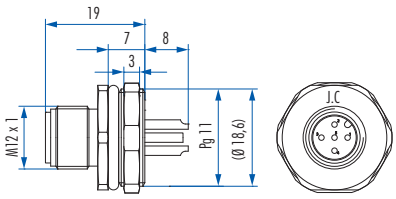
Panel Connectors „Solder Contacts“

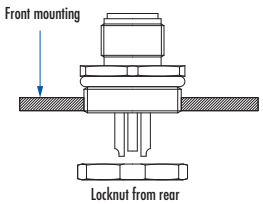


		M 12 5-pole Coding B	M 12 4-pole Coding D
Metal Housing			
Rear mounting [1]	Socket	JEF05MB12PG9BMSO	JEF04D12PG9BMSO
Front mounting [2]	Pin	JEM05B12PG11FMSO	JEM04D12PG11FMSO
Plastic Housing			
Rear mounting [1]	Socket	JEF05B12PG9BPSO	JEF04D12PG9BPSO
Front mounting [2]	Pin	JEM05B12PG11FPSO	JEM04D12PG11FPSO

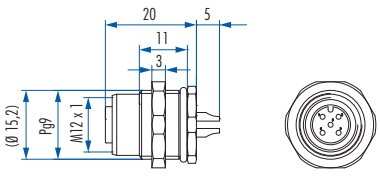
[1] Rear mounting, locknut from the front
[2] Front mounting, locknut from rear

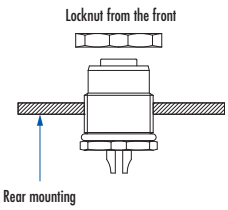
Front mounting (Pin)





Rear mounting (Socket)





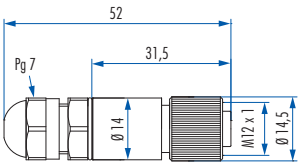
Straight Connectors M 12, Female and Male Thread

Straight / Metal

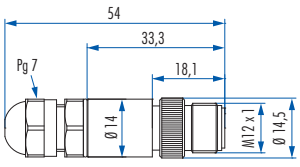


	M 12 3-pole Coding A	M 12 4-pole Coding A	M 12 3-polig shielded Coding A	M 12 4-polig shielded Coding A
Straight Connector, Female Thread				
3 – 6,5 mm Ø cable	JFFD03M12SOPG7	JFFD04M12SOPG7	JFFD03M12SOPG7B	JFFD04M12SOPG7B
4 – 8 mm Ø cable	JFFD03M12SOPG9	JFFD04M12SOPG9	JFFD03M12SOPG9B	JFFD04M12SOPG9B
Straight Connector, Male Thread				
3 – 6,5 mm Ø cable	JFMD03M12SOPG7	JFMD04M12SOPG7	JFMD03M12SOPG7B	JFMD04M12SOPG7B
4 – 8 mm Ø cable	JFMD03M12SOPG9	JFMD04M12SOPG9	JFMD03M12SOPG9B	JFMD04M12SOPG9B

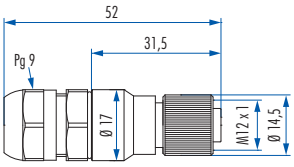
Straight Connector, Female Thread (3 – 6,5 mm)



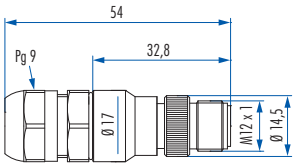
Straight Connector, Male Thread (3 – 6,5 mm)



Straight Connector, Female Thread (4 – 8 mm)



Straight Connector, Male Thread (4 – 8 mm)



Straight Connectors M 12 „Male / Female“

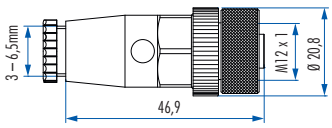
Straight Connectors M 12, Female and Male Thread

Straight / Plastic

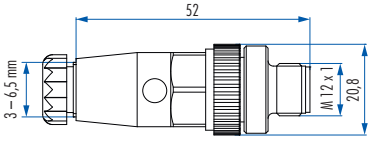


	M 12 3-pole Coding A	M 12 4-pole Coding A
Straight Connector, Female Thread		
3 – 6,5 mm Ø cable	JFFD03M12SOPG7K	JFFD04M12SOPG7K
4 – 8 mm Ø cable	JFFD03M12SOPG9K	JFFD04M12SOPG9K
Straight Connector, Male Thread		
3 – 6,5 mm Ø cable	JFMD03M12SOPG7K	JFMD04M12SOPG7K
4 – 8 mm Ø cable	JFMD03M12SOPG9K	JFMD04M12SOPG9K

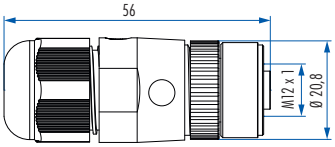
Straight Connector, Female Thread (3 – 6,5 mm)



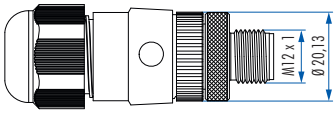
Straight Connector, Male Thread (3 – 6,5 mm)



Straight Connector, Female Thread (4 – 8 mm)



Straight Connector, Male Thread (4 – 8 mm)



Straight Connectors „Male / Female“

Right Angle Connector M 12

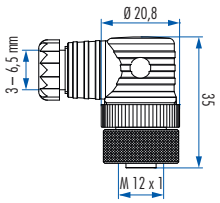
Right Angle / Plastic



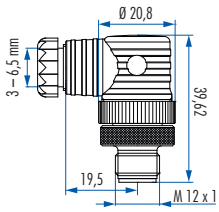


	M 12 3-pole Coding A	M 12 4-pole Coding A
Right Angle Connector (Socket)		
3 – 6,5 mm Ø cable	JFFC03M12SOPG7K	JFFC04M12SOPG7K
4 – 8 mm Ø cable	JFFC03M12SOPG9K	JFFC04M12SOPG9K
Right Angle Connector (Pin)		
3 – 6,5 mm Ø cable	JFMC03M12SOPG7K	JFMC04M12SOPG7K
4 – 8 mm Ø cable	JFMC03M12SOPG9K	JFMC04M12SOPG9K

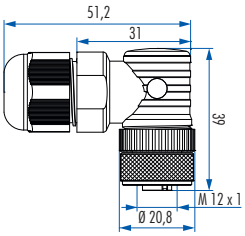
Right Angle Connector (Socket) (3 – 6,5 mm)



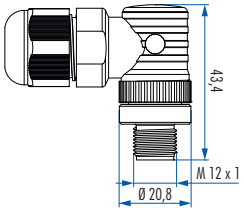
Right Angle Connector (Pin) (3 – 6,5 mm)



Right Angle Connector (Socket) (4 – 8 mm)



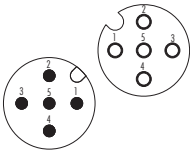
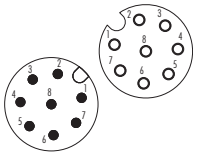
Right Angle Connector (Pin) (4 – 8 mm)



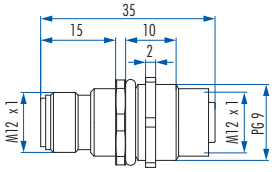
Right Angle Connector „Male / Female“

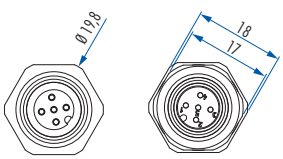
Bulkhead Connectors



	M 12 5-pole Coding A	M 12 8-pole Coding A
		
Metal Housing		
Pin / Socket	J425310006	J425313006

Bulkhead Connectors (Pin / Socket)





CONNECTORS M 12

CONNECTORS M 8

Their compactness is their strength. M 8 connectors can also be used in the tightest of spaces. Whether as angled connectors, as in-line connectors or as coupling connectors, the 3-pole and 4-pole variants of the M 8 series are in widespread use. The M 8 connectors have become an established standard in automation and in machinery and system construction.

- // 3-pole and 4-pole variants
- // Straight connectors (female and male thread), right angle connectors
- // Panel connector
- // Extension lines
- // Adapter lines



CONNECTORS M 8

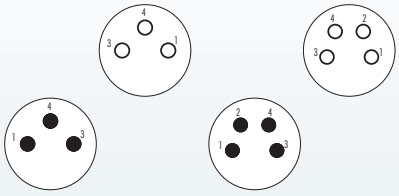
Product overview

Housings

▶ 42



Inserts



Technical Data

Mechanical Data

Housing	Copper-Zinc alloy	
Overmould	Thermoplastic elastomer	
Inserts (for contacts)	PA66 / Glass fibre	Fire protection class V0
Contacts	Copper-Zinc alloy	
Contact surface at point of contact	Nickel and gold plated	
Seals / O-Rings	Fluorocarbon	
Temperature range	-30 °C – +70 °C (static operating temperature) -5 °C – +70 °C (dynamic operating temperature)	
Protection	IP 67	

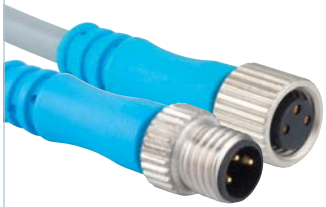
Electrical Data

Number of contacts	3	4
Contact-Ø [mm]	0,25	0,25
Nominal current [A]	4	4
Nominal voltage [V~] degree of protection 3	60	60
Test voltage (Breakdown voltage) [V~]	1000	1000
Insulation resistance [MΩ]	$>10^9$	$>10^9$

CONNECTORS M 8

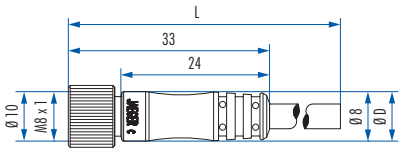
Overmoulded Straight Connector Cordsets M 8, Female and Male Thread

Straight

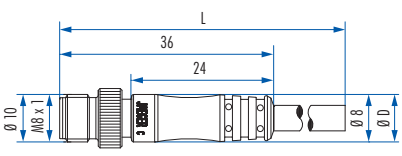


		M 8 3-pole	M 8 4-pole
Cable PVC			
1,5 m	Pin	JFMD03M8015C	JFMD04M8015C
	Socket	JFFD03M8015C	JFFD04M8015C
3 m	Pin	JFMD03M8030C	JFMD04M8030C
	Socket	JFFD03M8030C	JFFD04M8030C
5 m	Pin	JFMD03M8050C	JFMD04M8050C
	Socket	JFFD03M8050C	JFFD04M8050C
10 m	Pin	JFMD03M8100C	JFMD04M8100C
	Socket	JFFD03M8100C	JFFD04M8100C
Cable PUR			
1,5 m	Pin	JFMD03M8015P	JFMD04M8015P
	Socket	JFFD03M8015P	JFFD04M8015P
3 m	Pin	JFMD03M8030P	JFMD04M8030P
	Socket	JFFD03M8030P	JFFD04M8030P
5 m	Pin	JFMD03M8050P	JFMD04M8050P
	Socket	JFFD03M8050P	JFFD04M8050P
10 m	Pin	JFMD03M8100P	JFMD04M8100P
	Socket	JFFD03M8100P	JFFD04M8100P

Straight Connector, Female Thread



Straight Connector, Male Thread

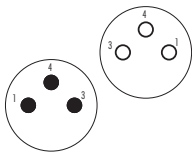


Overmoulded Connector Cordsets with open cable head

Overmoulded Right Angle Connector Cordsets M 8

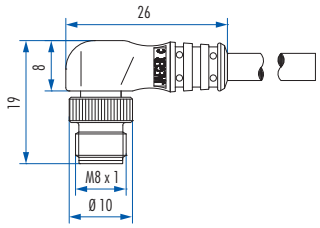
Right Angle



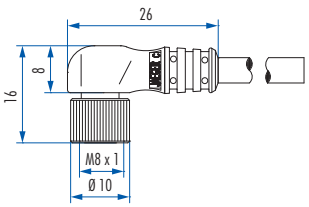


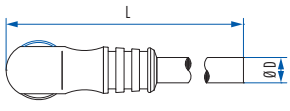
		M 8 3-pole	M 8 4-pole
Cable PVC			
1,5 m	Pin	JFMC03M8015C	JFMC04M8015C
	Socket	JFFC03M8015C	JFFC04M8015C
3 m	Pin	JFMC03M8030C	JFMC04M8030C
	Socket	JFFC03M8030C	JFFC04M8030C
5 m	Pin	JFMC03M8050C	JFMC04M8050C
	Socket	JFFC03M8050C	JFFC04M8050C
10 m	Pin	JFMC03M8100C	JFMC04M8100C
	Socket	JFFC03M8100C	JFFC04M8100C
Cable PUR			
1,5 m	Pin	JFMC03M8015P	JFMC04M8015P
	Socket	JFFC03M8015P	JFFC04M8015P
3 m	Pin	JFMC03M8030P	JFMC04M8030P
	Socket	JFFC03M8030P	JFFC04M8030P
5 m	Pin	JFMC03M8050P	JFMC04M8050P
	Socket	JFFC03M8050P	JFFC04M8050P
10 m	Pin	JFMC03M8100P	JFMC04M8100P
	Socket	JFFC03M8100P	JFFC04M8100P

Right Angle Connector (Pin)



Right Angle Connector (Socket)





Overmoulded Right Angle Connector Cordsets with open cable head

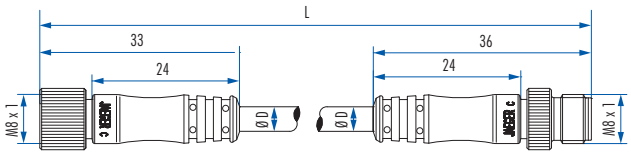
Overmoulded Extension Lines for Straight Connector Cordsets M 8, Female and Male Thread

Straight / Straight



	M 8 3-pole	M 8 4-pole
Cable PVC		
1,5 m	JFFDFMD03M8015C	JFFDFMD04M8015C
3 m	JFFDFMD03M8030C	JFFDFMD04M8030C
5 m	JFFDFMD03M8050C	JFFDFMD04M8050C
10 m	JFFDFMD03M8100C	JFFDFMD04M8100C
Cable PUR		
1,5 m	JFFDFMD03M8015P	JFFDFMD04M8015P
3 m	JFFDFMD03M8030P	JFFDFMD04M8030P
5 m	JFFDFMD03M8050P	JFFDFMD04M8050P
10 m	JFFDFMD03M8100P	JFFDFMD04M8100P

Straight Connector, Female Thread (Socket) / Straight Connector, Male Thread (Pin)



Overmoulded Extension Lines „straight / straight"

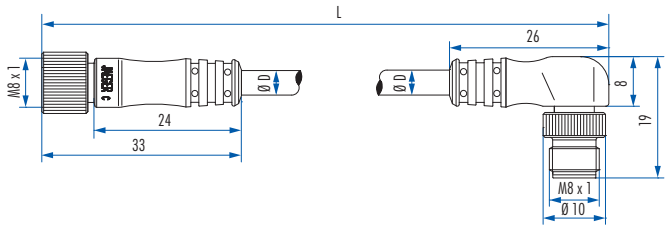
Overmoulded Extension Lines for Cordsets M 8, Female and Male Thread

Straight / Right Angle



		M 8 3-pole	M 8 4-pole
Cable PVC			
1,5 m	Pin Right Angle Socket Straight	JFFDFMC03M8015C	JFFDFMC04M8015C
3 m	Pin Right Angle Socket Straight	JFFDFMC03M8030C	JFFDFMC04M8030C
5 m	Pin Right Angle Socket Straight	JFFDFMC03M8050C	JFFDFMC04M8050C
10 m	Pin Right Angle Socket Straight	JFFDFMC03M8100C	JFFDFMC04M8100C
Cable PUR			
1,5 m	Pin Right Angle Socket Straight	JFFDFMC03M8015P	JFFDFMC04M8015P
3 m	Pin Right Angle Socket Straight	JFFDFMC03M8030P	JFFDFMC04M8030P
5 m	Pin Right Angle Socket Straight	JFFDFMC03M8050P	JFFDFMC04M8050P
10 m	Pin Right Angle Socket Straight	JFFDFMC03M8100P	JFFDFMC04M8100P

Straight Connector, Female Thread (Socket) / Right Angle Connector (Pin)



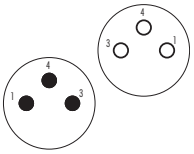
Overmoulded Extension Lines „straight / right angle"

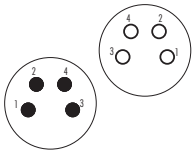
CONNECTORS M 8

Overmoulded Extension Lines for Cordsets M 8, Female and Male Thread

Right Angle / Straight

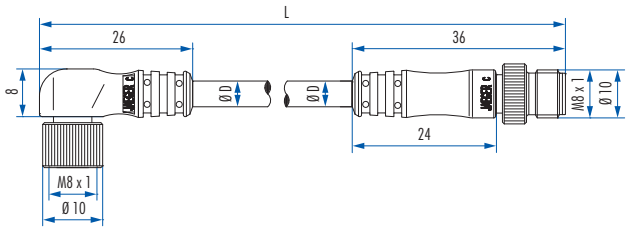






		M 8 3-pole	M 8 4-pole
Cable PVC			
1,5 m	Pin Straight Socket Right Angle	JFFCFMD03M8015C	JFFCFMD04M8015C
3 m	Pin Straight Socket Right Angle	JFFCFMD03M8030C	JFFCFMD04M8030C
5 m	Pin Straight Socket Right Angle	JFFCFMD03M8050C	JFFCFMD04M8050C
10 m	Pin Straight Socket Right Angle	JFFCFMD03M8100C	JFFCFMD04M8100C
Cable PUR			
1,5 m	Pin Straight Socket Right Angle	JFFCFMD03M8015P	JFFCFMD04M8015P
3 m	Pin Straight Socket Right Angle	JFFCFMD03M8030P	JFFCFMD04M8030P
5 m	Pin Straight Socket Right Angle	JFFCFMD03M8050P	JFFCFMD04M8050P
10 m	Pin Straight Socket Right Angle	JFFCFMD03M8100P	JFFCFMD04M8100P

Right Angle Connector (Socket) / Straight Connector, Male Thread (Pin)

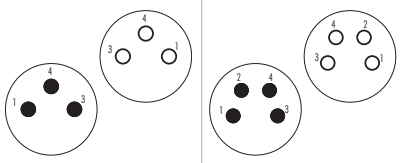


Overmoulded Extension Lines „right angle / straight"

Overmoulded Extension Lines for Cordsets M 8, Female and Male Thread

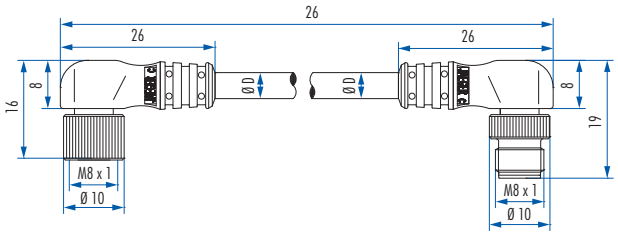
Right Angle / Right Angle





	M 8 3-pole	M 8 4-pole
Cable PVC		
1,5 m	JFFCFMC03M8015C	JFFCFMC04M8015C
3 m	JFFCFMC03M8030C	JFFCFMC04M8030C
5 m	JFFCFMC03M8050C	JFFCFMC04M8050C
10 m	JFFCFMC03M8100C	JFFCFMC04M8100C
Cable PUR		
1,5 m	JFFCFMC03M8015P	JFFCFMC04M8015P
3 m	JFFCFMC03M8030P	JFFCFMC04M8030P
5 m	JFFCFMC03M8050P	JFFCFMC04M8050P
10 m	JFFCFMC03M8100P	JFFCFMC04M8100P

Right Angle Connector (Socket) / Right Angle Connector (Pin)



Overmoulded Extension Lines „right angle / right angle“

CONNECTORS M 8

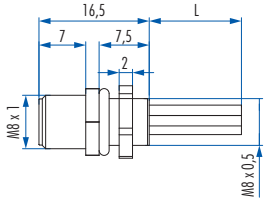
Panel Connector M8

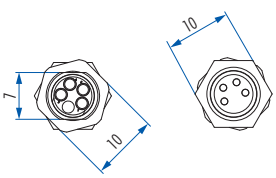


		M 8 3-pole	M 8 4-pole
Metal Housing			
Rear mounting [1], 40 cm	Pin	JEM03M8BM40	JEM04M8BM40
Front mounting [2], 40 cm	Pin	JEM03M8FM40	JEM04M8FM40
Front mounting [2], 40 cm	Socket	JEF03M8FM40	JEF04M8FM40
Rear mounting [1], 50 cm	Pin	JEM03M8BM50	JEM04M8BM50
Front mounting [2], 50 cm	Pin	JEM03M8FM50	JEM04M8FM50
Front mounting [2], 50 cm	Socket	JEF03M8FM50	JEF04M8FM50
Plastic Housing			
Rear mounting [1], 40 cm	Pin	JEM03M8BP40	JEM04M8BP40
Front mounting [2], 40 cm	Pin	JEM03M8FP40	JEM04M8FP40
Front mounting [2], 40 cm	Socket	JEF03M8FP40	JEF04M8FP40
Rear mounting [1], 50 cm	Pin	JEM03M8BP50	JEM04M8BP50
Front mounting [2], 50 cm	Pin	JEM03M8FP50	JEM04M8FP50
Front mounting [2], 50 cm	Socket	JEF03M8FP50	JEF04M8FP50

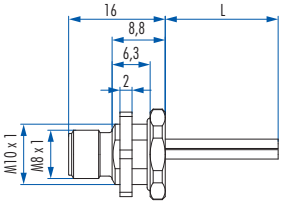
[1] Rear mounting, locknut from the front
[2] Front mounting, locknut from rear

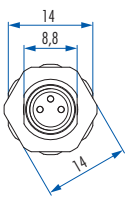
Front mounting



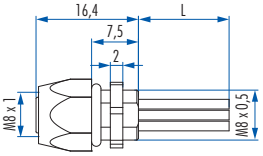


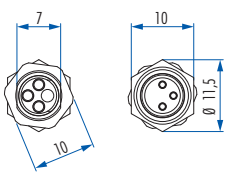
Rear mounting





Front mounting



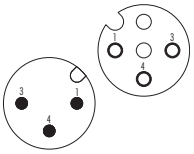
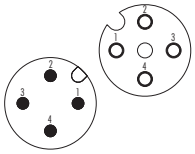


Panel Connector with open cable head

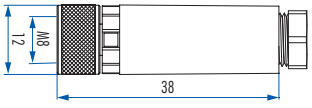
Straight Connectors M 8, Female and Male Thread

Straight

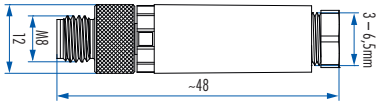


	M 8 3-pole Coding A	M 8 4-pole Coding A
		
Straight Connector, Female Thread		
3 – 6,5 mm Ø cable	JFFD03M8SOPG7K	JFFD04M8SOPG7K
Straight Connector, Male Thread		
3 – 6,5 mm Ø cable	JFMD03M8SOPG7K	JFMD04M8SOPG7K

Straight Connector, Female Thread



Straight Connector, Male Thread



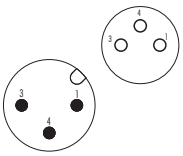
Straight Connector M 8 „Male / Female“

CONNECTORS M 8 / M12

Overmoulded Adapter Line for Straight Connector Cordsets M 8 / M 12, Female and Male Thread

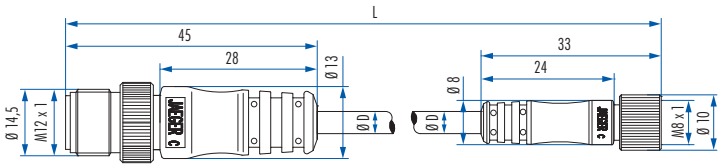
Straight / Straight





Cable PVC			
1,5 m	M 12 Pin M 8 Socket	JMD3M12FDM8015C	JMD4M12FDM8015C
3 m	M 12 Pin M 8 Socket	JMD3M12FDM8030C	JMD4M12FDM8030C
5 m	M 12 Pin M 8 Socket	JMD3M12FDM8050C	JMD4M12FDM8050C
7,5 m	M 12 Pin M 8 Socket	JMD3M12FDM8075C	JMD4M12FDM8075C
10 m	M 12 Pin M 8 Socket	JMD3M12FDM8100C	JMD4M12FDM8100C
Cable PUR			
1,5 m	M 12 Pin M 8 Socket	JMD3M12FDM8015P	JMD4M12FDM8015P
3 m	M 12 Pin M 8 Socket	JMD3M12FDM8030P	JMD4M12FDM8030P
5 m	M 12 Pin M 8 Socket	JMD3M12FDM8050P	JMD4M12FDM8050P
7,5 m	M 12 Pin M 8 Socket	JMD3M12FDM8075P	JMD4M12FDM8075P
10 m	M 12 Pin M 8 Socket	JMD3M12FDM8100P	JMD4M12FDM8100P

Straight Connector, Male Thread M 12 / Straight Connector, Female Thread M 8



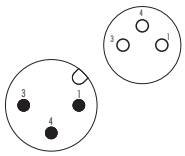
Adapter Line „Straight / Straight"

Dimensions and specifications may be changed without prior notice

Overmoulded Adapter Line for Cordsets M 8 / M 12, Female and Male Thread

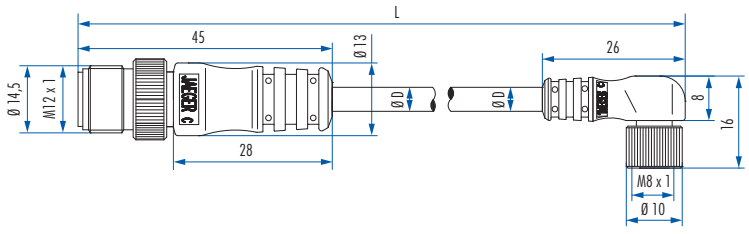
Straight / Right Angle





		M 12 / M 8 3-pole	M 12 / M 8 4-pole
Cable PVC			
1,5 m	M 12 Pin Straight M 8 Socket Right Angle	JMD3M12FCM8015C	JMD4M12FCM8015C
3 m	M 12 Pin Straight M 8 Socket Right Angle	JMD3M12FCM8030C	JMD4M12FCM8030C
5 m	M 12 Pin Straight M 8 Socket Right Angle	JMD3M12FCM8050C	JMD4M12FCM8050C
7,5 m	M 12 Pin Straight M 8 Socket Right Angle	JMD3M12FCM8075C	JMD4M12FCM8075C
10 m	M 12 Pin Straight M 8 Socket Right Angle	JMD3M12FCM8100C	JMD4M12FCM8100C
Cable PUR			
1,5 m	M 12 Pin Straight M 8 Socket Right Angle	JMD3M12FCM8015P	JMD4M12FCM8015P
3 m	M 12 Pin Straight M 8 Socket Right Angle	JMD3M12FCM8030P	JMD4M12FCM8030P
5 m	M 12 Pin Straight M 8 Socket Right Angle	JMD3M12FCM8050P	JMD4M12FCM8050P
7,5 m	M 12 Pin Straight M 8 Socket Right Angle	JMD3M12FCM8075P	JMD4M12FCM8075P
10 m	M 12 Pin Straight M 8 Socket Right Angle	JMD3M12FCM8100P	JMD4M12FCM8100P

Straight Connector, Male Thread M 12 / Right Angle Connector M 8 (Socket)

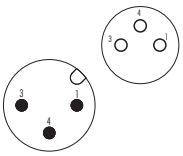


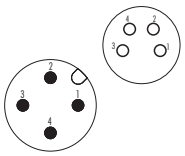
Adapter Line „Straight / Right Angle"

Overmoulded Adapter Line Straight Connector Cordsets M 12 / M 8, Female and Male Thread

Right Angle / Straight

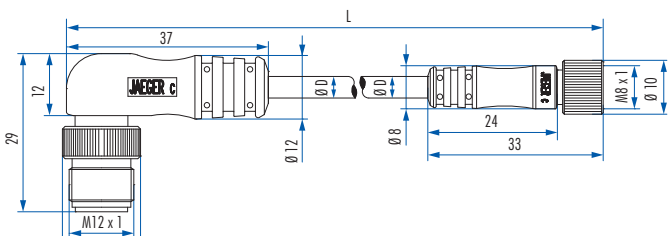






		M 12 / M 8 3-pole	M 12 / M 8 4-pole
Cable PVC			
1,5 m	M 12 Pin Right Angle M 8 Socket Straight	JMC3M12FDM8015C	JMC4M12FDM8015C
3 m	M 12 Pin Right Angle M 8 Socket Straight	JMC3M12FDM8030C	JMC4M12FDM8030C
5 m	M 12 Pin Right Angle M 8 Socket Straight	JMC3M12FDM8050C	JMC4M12FDM8050C
7,5 m	M 12 Pin Right Angle M 8 Socket Straight	JMC3M12FDM8075C	JMC4M12FDM8075C
10 m	M 12 Pin Right Angle M 8 Socket Straight	JMC3M12FDM8100C	JMC4M12FDM8100C
Cable PUR			
1,5 m	M 12 Pin Right Angle M 8 Socket Straight	JMC3M12FDM8015P	JMC4M12FDM8015P
3 m	M 12 Pin Right Angle M 8 Socket Straight	JMC3M12FDM8030P	JMC4M12FDM8030P
5 m	M 12 Pin Right Angle M 8 Socket Straight	JMC3M12FDM8050P	JMC4M12FDM8050P
7,5 m	M 12 Pin Right Angle M 8 Socket Straight	JMC3M12FDM8075P	JMC4M12FDM8075P
10 m	M 12 Pin Right Angle M 8 Socket Straight	JMC3M12FDM8100P	JMC4M12FDM8100P

Right Angle Connector M 12 (Pin) / Straight Connector, Female Thread M 8

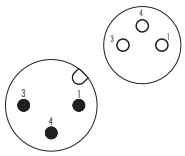


Adapter Line „Straight / Right Angle“

Overmoulded Adapter Line Straight Connector Cordsets M 12 / M 8, Female and Male Thread

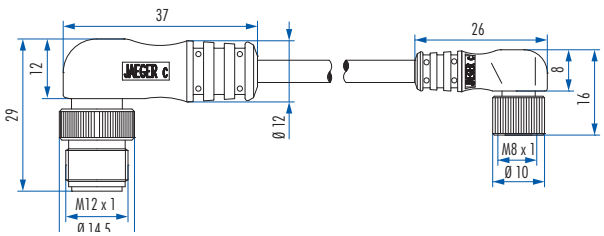
Right Angle / Right Angle

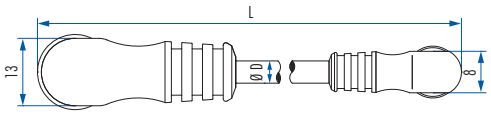




Cable PVC			
1,5 m	M 12 Pin Right Angle M 8 Socket Right Angle	JMC3M12FCM8015C	JMC4M12FCM8015C
3 m	M 12 Pin Right Angle M 8 Socket Right Angle	JMC3M12FCM8030C	JMC4M12FCM8030C
5 m	M 12 Pin Right Angle M 8 Socket Right Angle	JMC3M12FCM8050C	JMC4M12FCM8050C
7,5 m	M 12 Pin Right Angle M 8 Socket Right Angle	JMC3M12FCM8075C	JMC4M12FCM8075C
10 m	M 12 Pin Right Angle M 8 Socket Right Angle	JMC3M12FCM8100C	JMC4M12FCM8100C
Cable PUR			
1,5 m	M 12 Pin Right Angle M 8 Socket Right Angle	JMC3M12FCM8015P	JMC4M12FCM8015P
3 m	M 12 Pin Right Angle M 8 Socket Right Angle	JMC3M12FCM8030P	JMC4M12FCM8030P
5 m	M 12 Pin Right Angle M 8 Socket Right Angle	JMC3M12FCM8050P	JMC4M12FCM8050P
7,5 m	M 12 Pin Right Angle M 8 Socket Right Angle	JMC3M12FCM8075P	JMC4M12FCM8075P
10 m	M 12 Pin Right Angle M 8 Socket Right Angle	JMC3M12FCM8100P	JMC4M12FCM8100P

Right Angle Connector M 12 (Pin) / Right Angle Connector M 8 (Socket)





Adapter Line „Right Angle / Right Angle“

CONNECTORS M 8

CUSTOMIZED SOLUTIONS

The right connector for every application. The special solutions cover a multitude of combinations. Numerous variations of extension and adapter leads with T-connectors and Y-connectors are also available. And, if the version you require is not included in these, customer-specific solutions can also be developed and produced.

// Y-connector extension lines
// T-connector extension lines
// Adapter lines

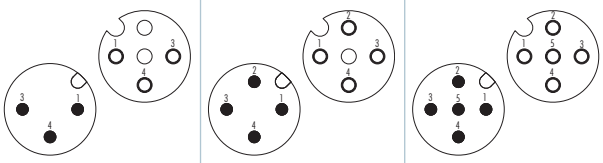


CUSTOMIZED SOLUTIONS

Overmoulded Y-Connector + Connector Cordsets M 12, Female Thread

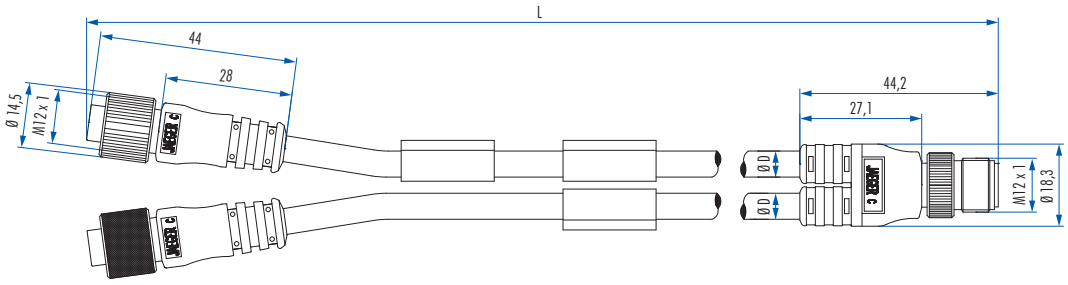
„Y" (Pin) to straight / straight (Socket)





Cable PVC			
0,3 m	JYM1242FFD03003C	JYM1252FFD04003C	JYM1252FFD05003C
0,6 m	JYM1242FFD03006C	JYM1252FFD04006C	JYM1252FFD05006C
0,8 m	JYM1242FFD03008C	JYM1252FFD04008C	JYM1252FFD05008C
1 m	JYM1242FFD03010C	JYM1252FFD04010C	JYM1252FFD05010C
Cable PUR			
0,3 m	JYM1242FFD03003P	JYM1252FFD04003P	JYM1252FFD05003P
0,6 m	JYM1242FFD03006P	JYM1252FFD04006P	JYM1252FFD05006P
0,8 m	JYM1242FFD03008P	JYM1252FFD04008P	JYM1252FFD05008P
1 m	JYM1242FFD03010P	JYM1252FFD04010P	JYM1252FFD05010P

Y-Connector (Pin) + Straight Connector, Female Thread (Socket)



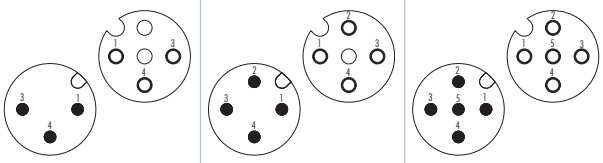
Extension Line „Y" to „Straight"

Dimensions and specifications may be changed without prior notice

Overmoulded Y-Connector + Right Angle Connectors M 12

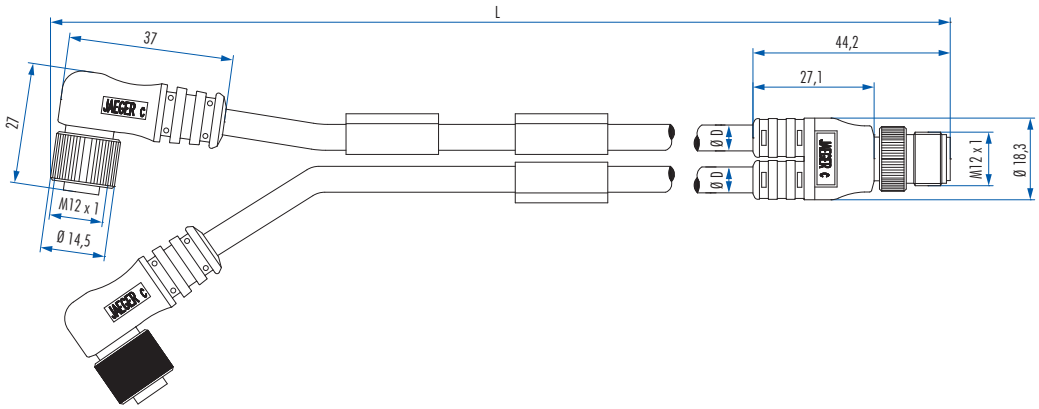
„Y" (Pin) to right angle / right angle (Socket)





	M 12 „Y" 3-pole	M 12 „Y" 4-pole	M 12 „Y" 5-pole
Cable PVC			
0,3 m	JYM1242FFC03003C	JYM1252FFC04003C	JYM1252FFC05003C
0,6 m	JYM1242FFC03006C	JYM1252FFC04006C	JYM1252FFC05006C
0,8 m	JYM1242FFC03008C	JYM1252FFC04008C	JYM1252FFC05008C
1 m	JYM1242FFC03010C	JYM1252FFC04010C	JYM1252FFC05010C
Cable PUR			
0,3 m	JYM1242FFC03003P	JYM1252FFC04003P	JYM1252FFC05003P
0,6 m	JYM1242FFC03006P	JYM1252FFC04006P	JYM1252FFC05006P
0,8 m	JYM1242FFC03008P	JYM1252FFC04008P	JYM1252FFC05008P
1 m	JYM1242FFC03010P	JYM1252FFC04010P	JYM1252FFC05010P

Y-Connector (Pin) + Right Angle Connector (Socket)

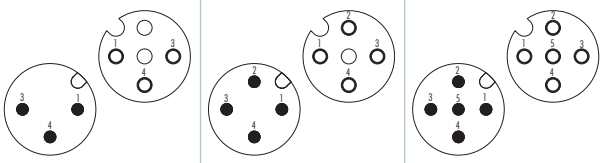


Extension Line „Y" to „Right Angle"

Overmoulded T-Connector + Straight Connectors M 12, Male Thread

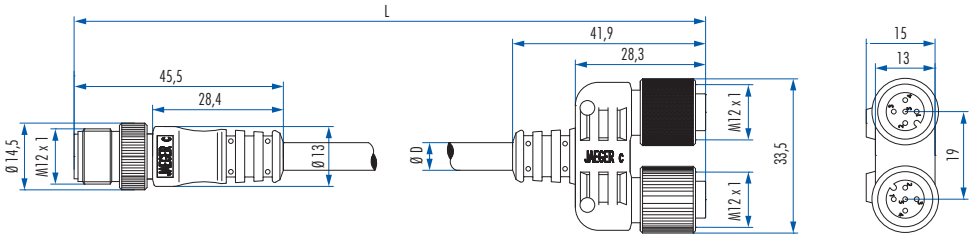
„T" (Socket) to Straight (Pin)





Cable PVC			
0,3 m	JTM12FF3FMD4003C	JTM12FF4FMD5003C	JTM12FF5FMD5003C
0,6 m	JTM12FF3FMD4006C	JTM12FF4FMD5006C	JTM12FF5FMD5006C
0,8 m	JTM12FF3FMD4008C	JTM12FF4FMD5008C	JTM12FF5FMD5008C
1 m	JTM12FF3FMD4010C	JTM12FF4FMD5010C	JTM12FF5FMD5010C
Cable PUR			
0,3 m	JTM12FF3FMD4003P	JTM12FF4FMD5003P	JTM12FF5FMD5003P
0,6 m	JTM12FF3FMD4006P	JTM12FF4FMD5006P	JTM12FF5FMD5006P
0,8 m	JTM12FF3FMD4008P	JTM12FF4FMD5008P	JTM12FF5FMD5008P
1 m	JTM12FF3FMD4010P	JTM12FF4FMD5010P	JTM12FF5FMD5010P

Straight Connector, Male Thread / T-Connector

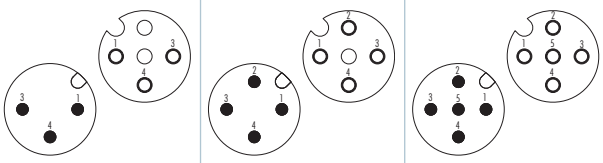


Extension Line „T" to „Straight"

Overmoulded T-Connector + Right Angle Connectors (Pin) M 12

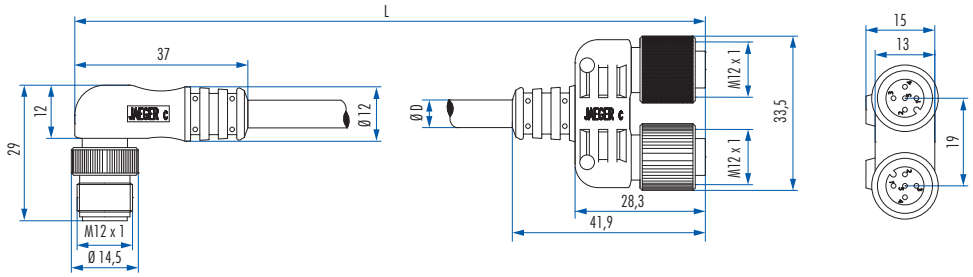
„T“ (Socket) to Right Angle (Pin)





Cable PVC			
0,3 m	JTM12FF3FMC4003C	JTM12FF4FMC5003C	JTM12FF5FMC5003C
0,6 m	JTM12FF3FMC4006C	JTM12FF4FMC5006C	JTM12FF5FMC5006C
0,8 m	JTM12FF3FMC4008C	JTM12FF4FMC5008C	JTM12FF5FMC5008C
1 m	JTM12FF3FMC4010C	JTM12FF4FMC5010C	JTM12FF5FMC5010C
Cable PUR			
0,3 m	JTM12FF3FMC4003P	JTM12FF4FMC5003P	JTM12FF5FMC5003P
0,6 m	JTM12FF3FMC4006P	JTM12FF4FMC5006P	JTM12FF5FMC5006P
0,8 m	JTM12FF3FMC4008P	JTM12FF4FMC5008P	JTM12FF5FMC5008P
1 m	JTM12FF3FMC4010P	JTM12FF4FMC5010P	JTM12FF5FMC5010P

Right Angle Connector (Pin) / T-Connector



Extension Line „T“ to „Right Angle“

CUSTOMIZED SOLUTIONS

SPLITTER BOXES

The splitter boxes link sensors and actuators with M12 connectors. With their robust design, they are ideally suited to industrial applications and are in use in the automotive industry, in automation, in machinery and system construction as well as in robotics.

// 4-way, 6-way and 8-way splitter boxes
// Boxes with cable or M 23 connector
// LED display
// High voltage variants



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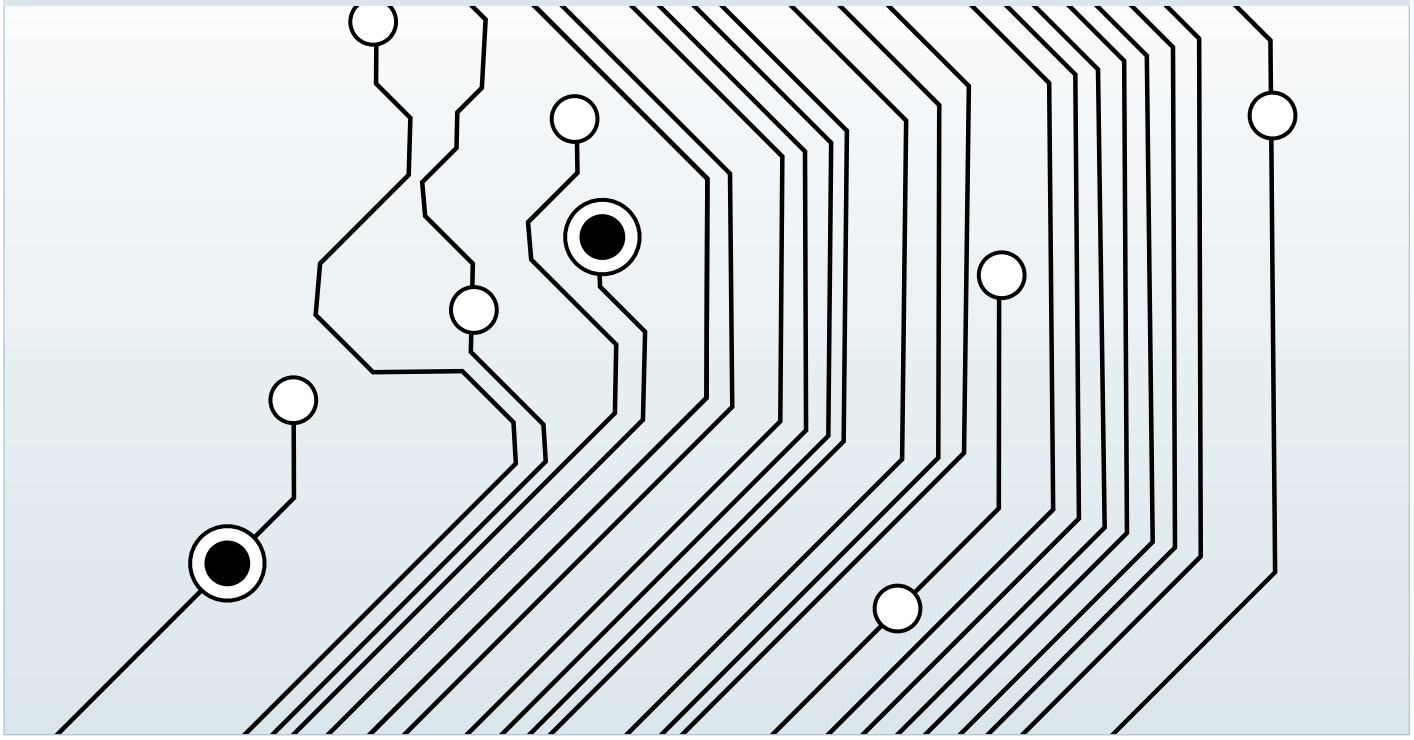
SPLITTER BOXES

Product overview

Splitter Boxes ▶ 64



Circuit Diagrams ▶ 70



Mechanical Data

Housing panel connector	Nickel plated brass
Housing	PBT UL94V0 Glass fibre
Insert M 23	PBT UL94V0 Glass fibre
Insert M 12	PBT UL94V0 Glass fibre
Contacts	Brass
Contact surface at point of contact	Nickel and gold plated
Seals / O-Rings	Fluorocarbon
Temperature range	-30 °C – +70 °C
Protection	IP 67
Tightening torque plug	0,5 Nm (M 12 / M 12) 2 Nm (M 23 / M 23)"

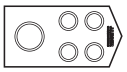
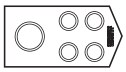
Electrical Data

	without LED	with LED
Nominal Voltage [V~]	60	10 – 30
Current rating [A]	4	4
Power supply [A]	12 max	12 max
Flashover Voltage between adjacent contacts [V~]	1000	1000
Insulation resistance [MΩ]	≥ 10^9	≥ 10^9
Max. contact resistance [MΩ]	≤ 5	≤ 5

SPLITTER BOXES

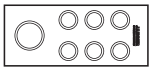
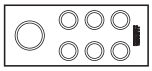
M 12 Splitter Boxes with Panel Connectors M 23



	4 Subjects with M 23 4 + PE	4 Subjects with M 23 3 + PE
		
without LED	REP4M2319SL	REP4M2312SL
with LED	REP4M2319AL	REP4M2312AL
Circuit Diagrams on page 70	Scheme 1	Scheme 2

M 12 Splitter Boxes with Panel Connectors M 23

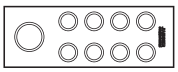
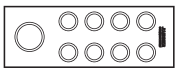
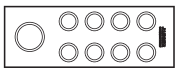


	6 Subjects with M 23 4 + PE	6 Subjects with M 23 3 + PE
		
without LED	REP6M2319SL	REP6M2312SL
with LED	REP6M2319AL	REP6M2312AL
Circuit Diagrams on page 71	Scheme 3	Scheme 4

SPLITTER BOXES

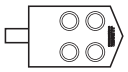
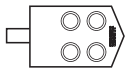
M 12 Splitter Boxes with Panel Connectors M 23



	8 Subjects with M 23 4 + PE	8 Subjects with M 23 High performance 4 + PE	8 Subjects with M 23 3 + PE
			
without LED	REP8M2319SL	REP8M2319PE	REP8M2312SL
with LED	REP8M2319AL		REP8M2312AL
Circuit Diagrams on page 72 / 73	Scheme 5	Scheme 6	Scheme 7

M 12 Splitter Boxes with Cable

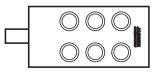
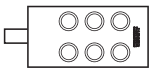


		4 Subjects with with Cable 4 + PE	4 Subjects with with Cable 3 + PE
			
Cable PVC			
5 m	with LED	REP4C0519ALC	REP4C0512ALC
	without LED	REP4C0519SLC	REP4C0512SLC
10 m	with LED	REP4C1019ALC	REP4C1012ALC
	without LED	REP4C1019SLC	REP4C1012SLC
15 m	with LED	REP4C1519ALC	REP4C1512ALC
	without LED	REP4C1519SLC	REP4C1512SLC
Cable PUR			
5 m	with LED	REP4C0519ALP	REP4C0512ALP
	without LED	REP4C0519SLP	REP4C0512SLP
10 m	with LED	REP4C1019ALP	REP4C1012ALP
	without LED	REP4C1019SLP	REP4C1012SLP
15 m	with LED	REP4C1519ALP	REP4C1512ALP
	without LED	REP4C1519SLP	REP4C1512SLP
Circuit Diagrams on page 74		Scheme 8	Scheme 9

SPLITTER BOXES

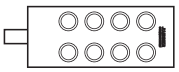
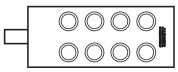
M 12 Splitter Boxes with Cable



		6 Subjects with with Cable 4 + PE	6 Subjects with with Cable 3 + PE
			
Cable PVC			
5 m	with LED	REP6C0519ALC	REP6C0512ALC
	without LED	REP6C0519SLC	REP6C0512SLC
10 m	with LED	REP6C1019ALC	REP6C1012ALC
	without LED	REP6C1019SLC	REP6C1012SLC
15 m	with LED	REP6C1519ALC	REP6C1512ALC
	without LED	REP6C1519SLC	REP6C1512SLC
Cable PUR			
5 m	with LED	REP6C0519ALP	REP6C0512ALP
	without LED	REP6C0519SLP	REP6C0512SLP
10 m	with LED	REP6C1019ALP	REP6C1012ALP
	without LED	REP6C1019SLP	REP6C1012SLP
15 m	with LED	REP6C1519ALP	REP6C1512ALP
	without LED	REP6C1519SLP	REP6C1512SLP
Circuit Diagrams on page 75		Scheme 10	Scheme 11

M 12 Splitter Boxes with Cable



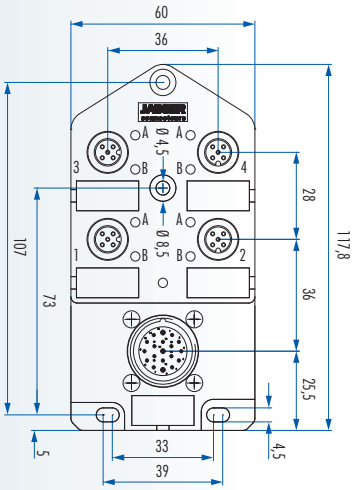
		8 Subjects with with Cable 4 + PE	8 Subjects with with Cable 3 + PE
			
Cable PVC			
5 m	with LED	REP8C0519ALC	REP8C0512ALC
	without LED	REP8C0519SLC	REP8C0512SLC
10 m	with LED	REP8C1019ALC	REP8C1012ALC
	without LED	REP8C1019SLC	REP8C1012SLC
15 m	with LED	REP8C1519ALC	REP8C1512ALC
	without LED	REP8C1519SLC	REP8C1512SLC
Cable PUR			
5 m	with LED	REP8C0519ALP	REP8C0512ALP
	without LED	REP8C0519SLP	REP8C0512SLP
10 m	with LED	REP8C1019ALP	REP8C1012ALP
	without LED	REP8C1019SLP	REP8C1012SLP
15 m	with LED	REP8C1519ALP	REP8C1512ALP
	without LED	REP8C1519SLP	REP8C1512SLP
Circuit Diagrams on page 76		Scheme 12	Scheme 13

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CONNECTEURS

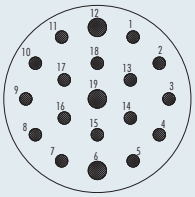
CIRCUIT DIAGRAMS

Splitter Boxes M 12 / Circuit Diagrams

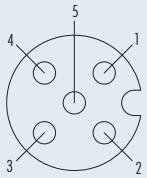
4 Subjects (4 + PE) with Panel Connectors M 23 (19 contacts) — Scheme 1



Contact Numbering



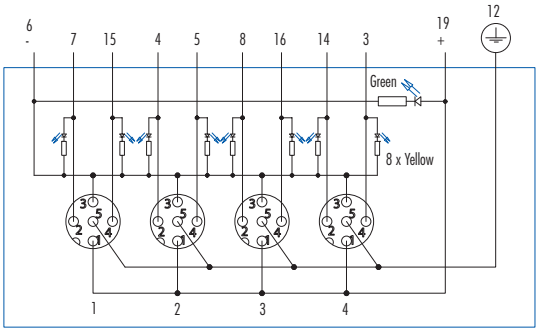
16 x Ø 1 mm
3 x Ø 1,5 mm



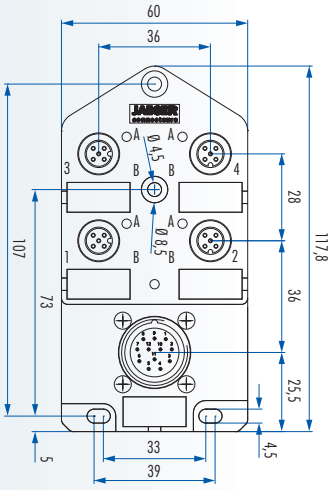
Ø 1 mm

M 12 Wiring		M 23
1:	1, 2, 3, 4 (+)	19
2:	1	7
	2	4
	3	8
	4	14

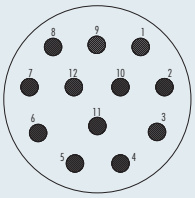
M 12 Wiring		M 23
3:	1, 2, 3, 4 (-)	6
4:	1	15
	2	5
	3	16
	4	3
5:	1, 2, 3, 4 (⏚)	12



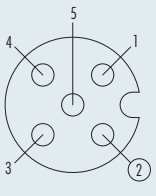
4 Subjects (3 + PE) with Panel Connectors M 23 (12 contacts) — Scheme 2



Contact Numbering



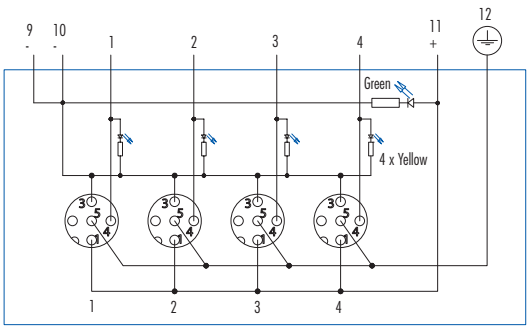
16 x Ø 1 mm
3 x Ø 1,5 mm



not connected

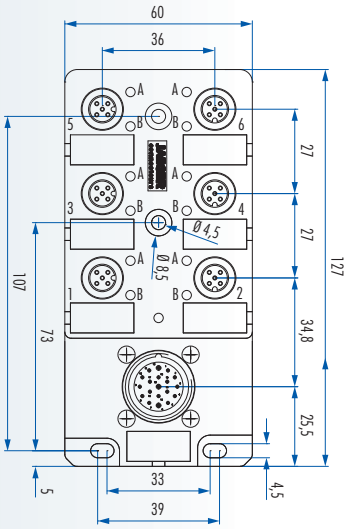
Ø 1 mm

M 12 Wiring		M 23
1:	1, 2, 3, 4 (+)	11
3:	1, 2, 3, 4 (-)	9/10
4:	1	(1)
	2	(2)
	3	(3)
	4	(4)
5:	1, 2, 3, 4 (⏚)	12

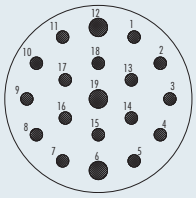


Scheme 3

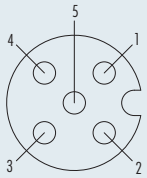
6 Subjects (4 + PE) with Panel Connectors M 23 (19 contacts)



Contact Numbering



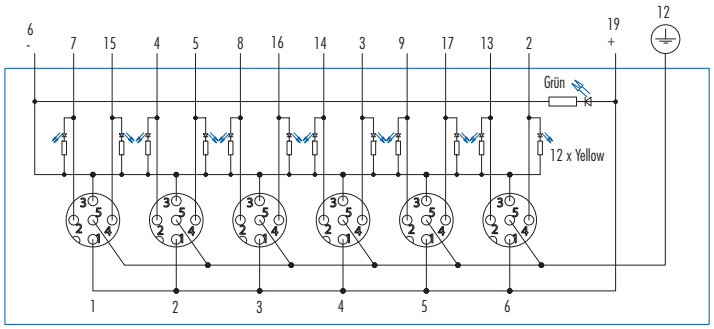
16 x Ø 1 mm
3 x Ø 1,5 mm



Ø 1 mm

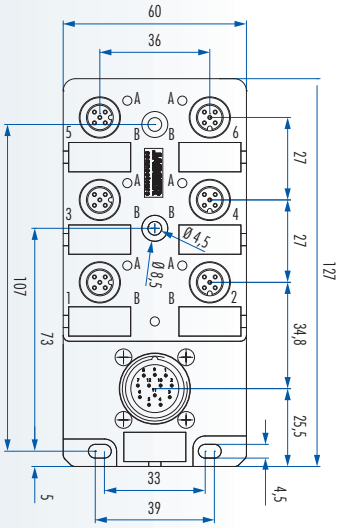
M 12	Wiring	M 23
1:	1, 2, 3, 4, 5, 6 (+)	19
2:	1	7
	2	4
	3	8
	4	14
	5	9
	6	13

M 12	Wiring	M 23
3:	1, 2, 3, 4, 5, 6 (-)	6
4:	1	15
	2	5
	3	16
	4	3
	5	17
	6	2
5:	1, 2, 3, 4, 5, 6 (⏚)	12

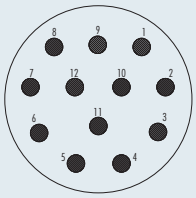


Scheme 4

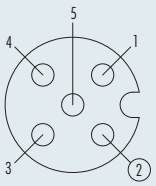
6 Subjects (3 + PE) with Panel Connectors M 23 (12 contacts)



Contact Numbering



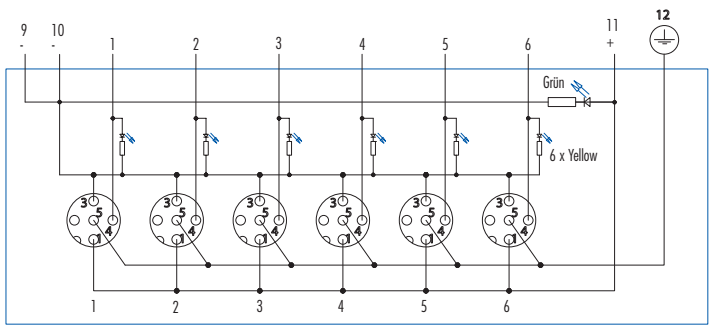
16 x Ø 1 mm
3 x Ø 1,5 mm



Ø 1 mm

not connected

M 12	Wiring	M 23
1:	1, 2, 3, 4, 5, 6 (+)	11
3:	1, 2, 3, 4, 5, 6 (-)	9 / 10
4:	1	1
	2	2
	3	3
	4	4
	5	5
	6	6
5:	1, 2, 3, 4, 5, 6 (⏚)	12

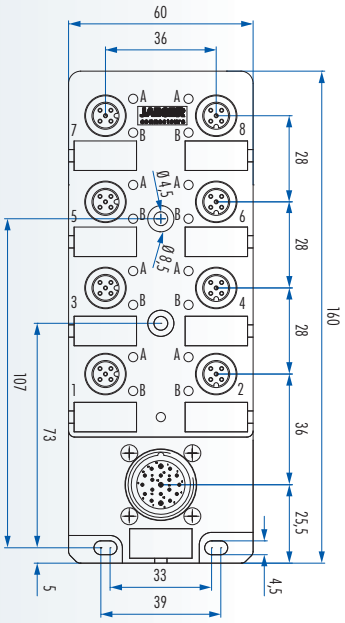


JAEGER CONNECTEURS

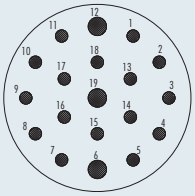
CIRCUIT DIAGRAMS

Splitter Boxes M 12 / Circuit Diagrams

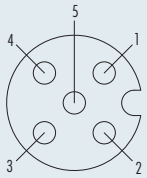
8 Subjects (4 + PE) with Panel Connectors M 23 (19 contacts) — Scheme 5



Contact Numbering



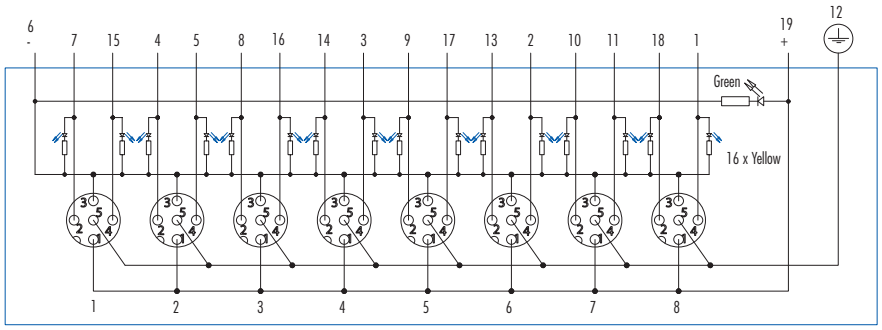
16 x Ø 1 mm
3 x Ø 1,5 mm



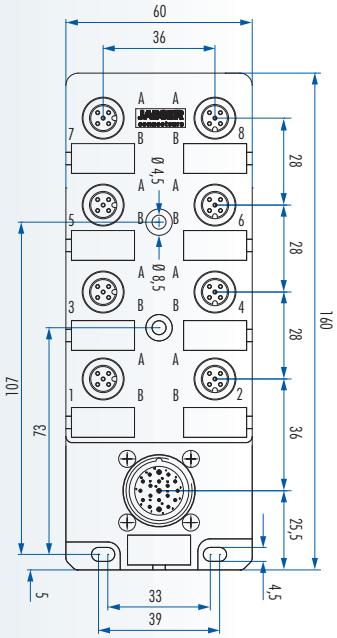
Ø 1 mm

M 12 Wiring		M 23
1:	1, 2, 3, 4, 5, 6, 7, 8 (+)	19
2:	1	7
	2	4
	3	8
	4	14
	5	9
	6	13
	7	10
	8	18

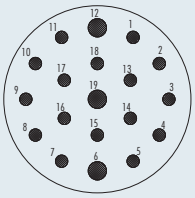
M 12 Wiring		M 23
3:	1, 2, 3, 4, 5, 6, 7, 8 (-)	6
4:	1	15
	2	5
	3	16
	4	+3
	5	17
	6	2
	7	11
	8	1
5:	1, 2, 3, 4, 5, 6, 7, 8 (⏚)	12



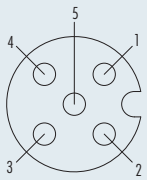
8 Subjects (4 + PE) with Panel Connectors M 23 (High Performance, 19 contacts) — Scheme 6



Contact Numbering



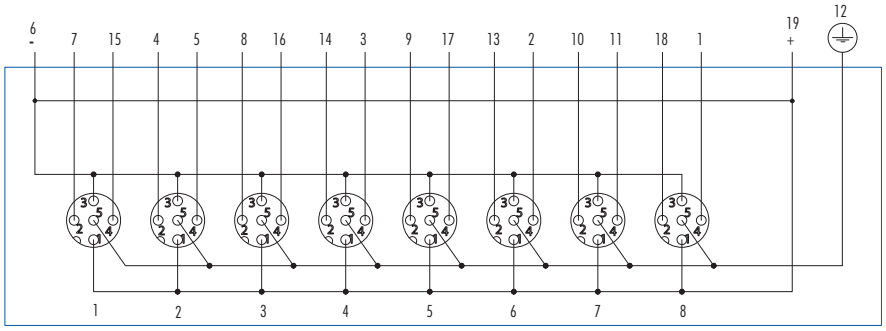
16 x Ø 1 mm
3 x Ø 1,5 mm



Ø 1 mm

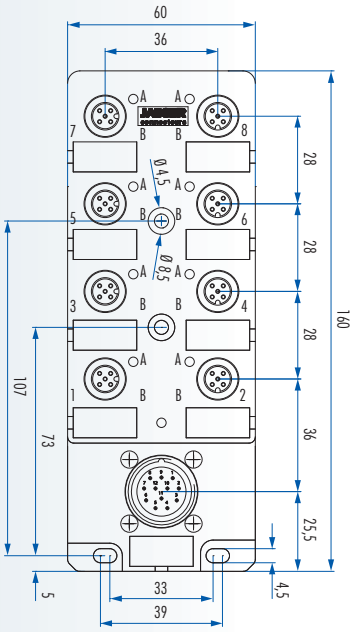
M 12 Wiring		M 23
1:	1, 2, 3, 4, 5, 6, 7, 8 (+)	19
2:	1	7
	2	4
	3	8
	4	14
	5	9
	6	13
	7	10
	8	18

M 12 Wiring		M 23
1:	1, 2, 3, 4, 5, 6, 7, 8 (-)	6
4:	1	15
	2	5
	3	16
	4	3
	5	17
	6	2
	7	11
	8	1
5:	1, 2, 3, 4, 5, 6, 7, 8 (⏚)	12

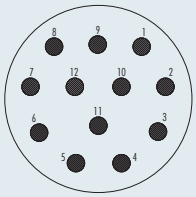


Scheme 7

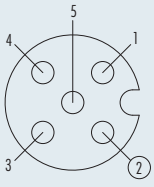
8 Subjects (3 + PE) with Panel Connectors M 23 (12 contacts)



Contact Numbering



16 x Ø 1 mm
3 x Ø 1,5 mm

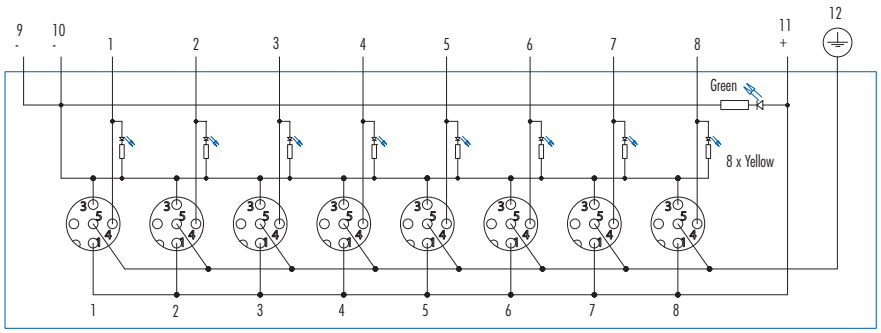


Ø 1 mm

not connected

M 12 Wiring		M 23
1:	1, 2, 3, 4, 5, 6, 7, 8 (+)	11
3:	1, 2, 3, 4, 5, 6, 7, 8 (-)	9 / 10
4:	1	1
	2	2
	3	3
	4	4
	5	5
	6	6
	7	7
	8	8

M 12 Wiring		M 23
5:	1, 2, 3, 4, 5, 6, 7, 8 (⏚)	12

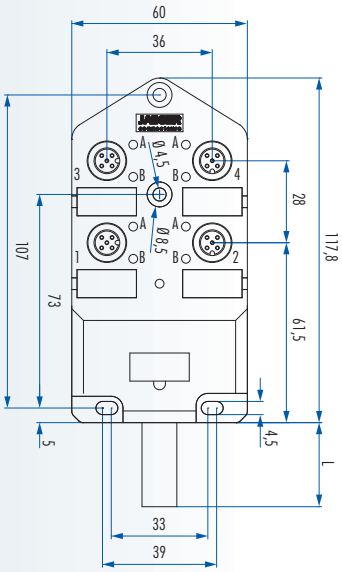


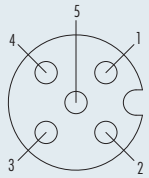
JAEGER
CONNECTEURS

CIRCUIT DIAGRAMS

Splitter Boxes M 12 / Circuit Diagrams

4 Subjects with Cable 4 + PE — Scheme 8

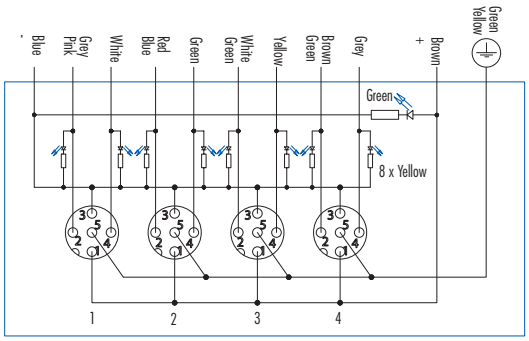




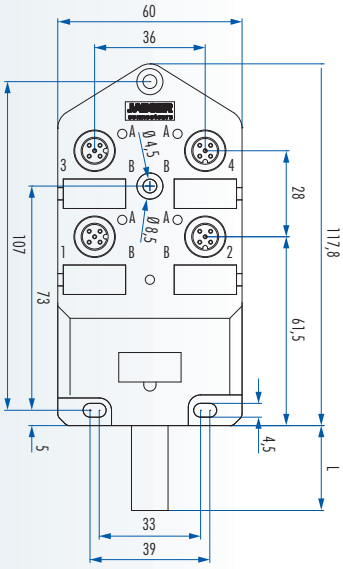
Ø 1 mm
Ø Cable 10,9 mm

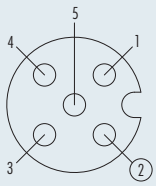
M 12	Colour	Wiring	Ø [mm²]
1:	Brown	1, 2, 3, 4 (+)	1
2:	Grey / Rose	1	0,34
	Red / Blue	2	0,34
	White / Green	3	0,34
	Brown / Green	4	0,34
3:	Blue	1, 2, 3, 4 (-)	1
4:	White	1	0,34
	Green	2	0,34
	Yellow	3	0,34
	Grey	4	0,34

M 12	Colour	Wiring	Ø [mm²]
5:	Green / Yellow	1, 2, 3, 4 (⏚)	1



4 Subjects with Cable 3 + PE — Scheme 9

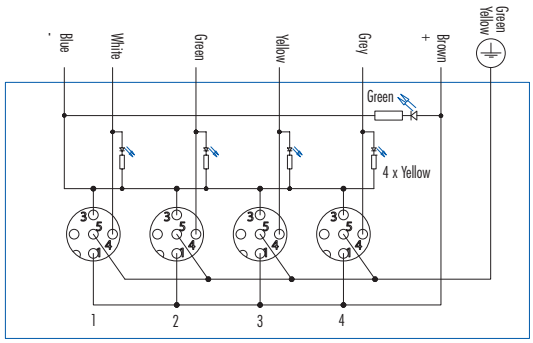




not connected

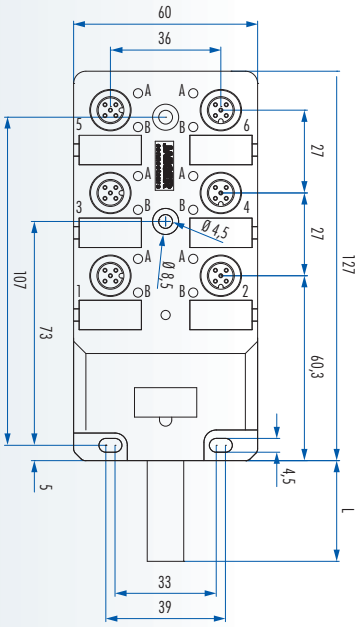
Ø 1 mm
Ø Cable 8,4 mm

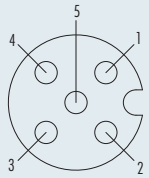
M 12	Colour	Wiring	Ø [mm²]
1:	Brown	1, 2, 3, 4 (+)	1
3:	Blue	1, 2, 3, 4 (-)	1
4:	White	1	0,34
	Green	2	0,34
	Yellow	3	0,34
	Grey	4	0,34
5:	Green / Yellow	1, 2, 3, 4 (⏚)	1



Scheme 10

6 Subjects with Cable 4 + PE

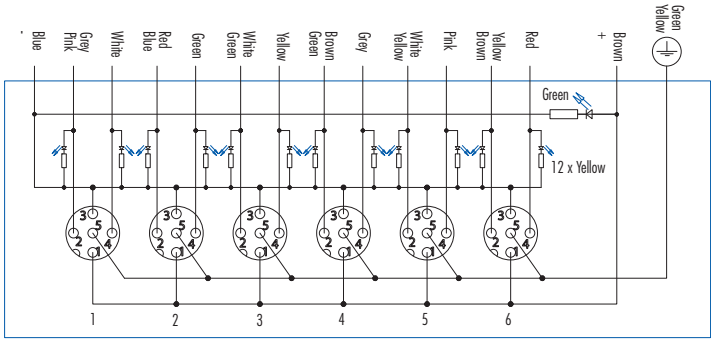




Ø 1 mm
Ø Cable 10,9 mm

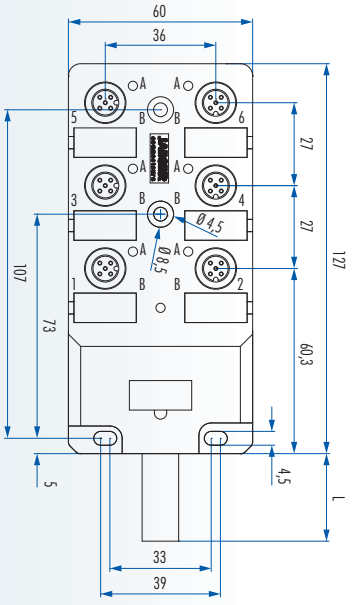
M12	Colour	Wiring	Ø [mm²]
1:	Brown	1, 2, 3, 4, 5, 6 (+)	1
2:	Grey / Rose	1	0,34
	Red / Blue	2	0,34
	White / Green	3	0,34
	Brown / Green	4	0,34
	White / Yellow	5	0,34
	Yellow / Brown	6	0,34
3:	Blue	1, 2, 3, 4, 5, 6 (-)	1

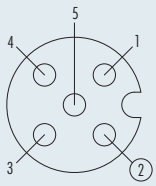
M12	Colour	Wiring	Ø [mm²]
4:	White	1	0,34
	Green	2	0,34
	Yellow	3	0,34
	Grey	4	0,34
	Rose	5	0,34
	Red	6	0,34
5:	Green / Yellow	1, 2, 3, 4, 5, 6 (⏚)	1



Scheme 11

6 Subjects with Cable 3 + PE

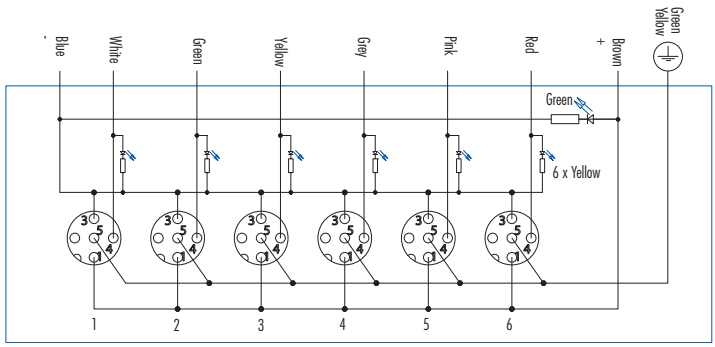




not connected

Ø 1 mm
Ø Cable 9,5 mm

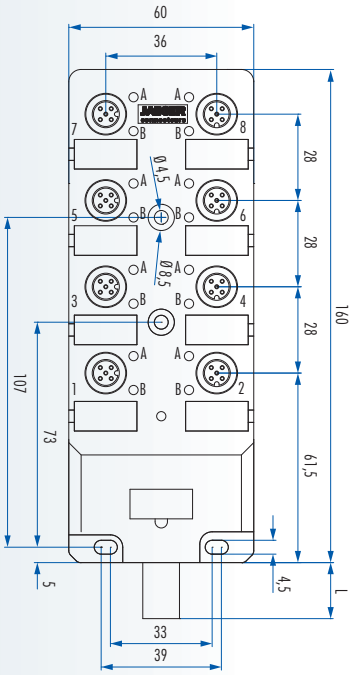
M12	Colour	Wiring	Ø [mm²]
1:	Brown	1, 2, 3, 4, 5, 6 (+)	1
3:	Blue	1, 2, 3, 4, 5, 6 (-)	1
4:	White	1	0,34
	Green	2	0,34
	Yellow	3	0,34
	Grey	4	0,34
	Rose	5	0,34
	Red	6	0,34
5:	Green / Yellow	1, 2, 3, 4, 5, 6 (⏚)	1

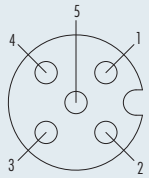


CIRCUIT DIAGRAMS

Splitter Boxes M 12 / Circuit Diagrams

8 Subjects with Cable 4 + PE — Scheme 12

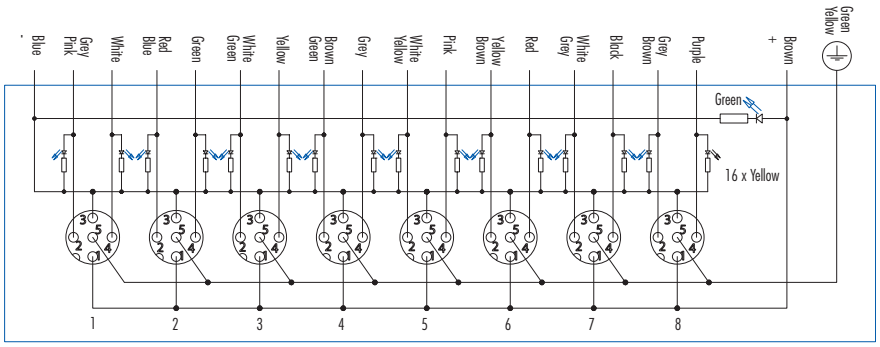




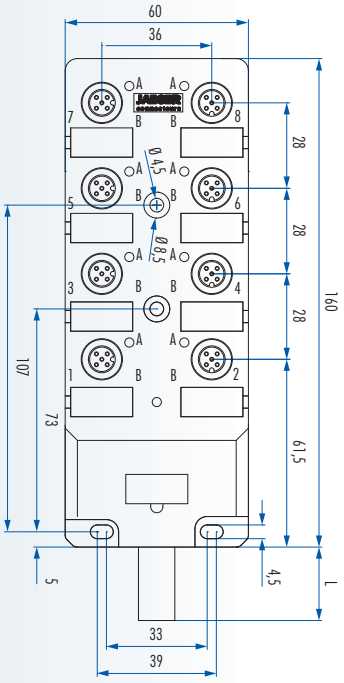
Ø 1 mm
Ø Cable 11 mm

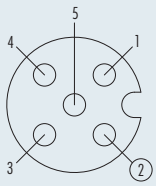
M 12	Colour	Wiring	Ø [mm²]
1:	Brown	1, 2, 3, 4, 5, 6, 7, 8 (+)	1
2:	Grey / Rose	1	0,34
	Red / Blue	2	0,34
	White / Green	3	0,34
	Brown / Green	4	0,34
	Blanc / Yellow	6	0,34
	Yellow / Brown	6	0,34
	White / Grey	7	0,34
	Grey / Brown	8	0,34
3:	Blue	1, 2, 3, 4, 5, 6, 7, 8 (-)	1

M 12	Colour	Wiring	Ø [mm²]
4:	White	1	0,34
	Green	2	0,34
	Yellow	3	0,34
	Grey	4	0,34
	Rose	5	0,34
	Red	6	0,34
	Black	7	0,34
	Violet	8	0,34
5:	Green / Yellow	1, 2, 3, 4, 5, 6, 7, 8 (⏚)	1



8 Subjects with Cable 3 + PE — Scheme 13

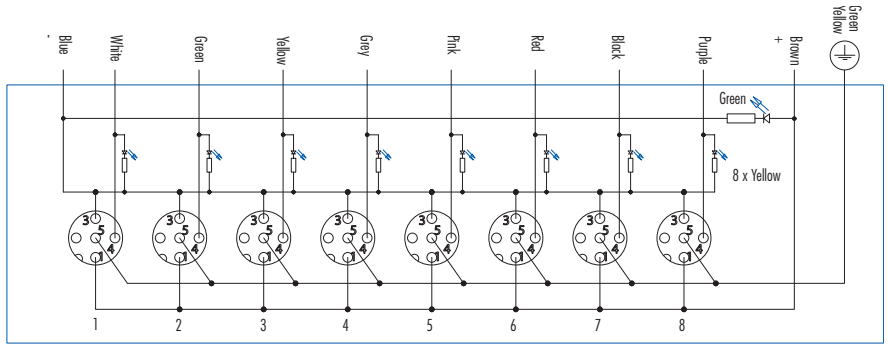




Ø 1 mm
Ø Cable 10,9 mm

M 12	Colour	Wiring	Ø [mm²]
1:	Brown	1, 2, 3, 4, 5, 6, 7, 8 (+)	1
3:	Blue	1, 2, 3, 4, 5, 6, 7, 8 (-)	1
4:	White	1	0,34
	Green	2	0,34
	Yellow	3	0,34
	Grey	4	0,34
	Rose	5	0,34
	Red	6	0,34
	Black	7	0,34
	Violet	8	0,34

M 12	Colour	Wiring	Ø [mm²]
5:	Green / Yellow	1, 2, 3, 4, 5, 6, 7, 8 (⏚)	1



COLOURS OF CONDUCTORS

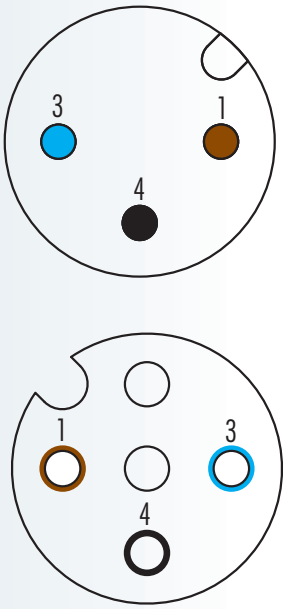


JAEGER
CONNECTEURS

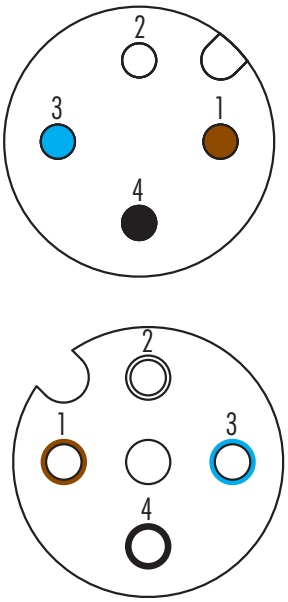
COLOURS OF CONDUCTORS

3,4,5 Contacts, Coding A – PVC, PUR

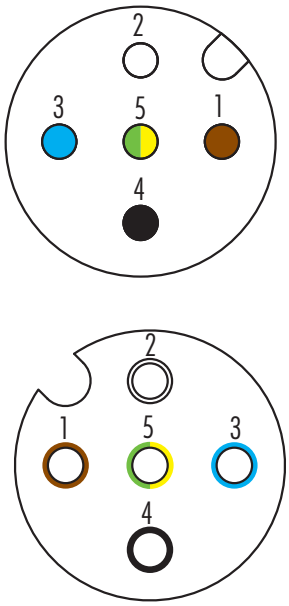
3 Contacts



4 Contacts



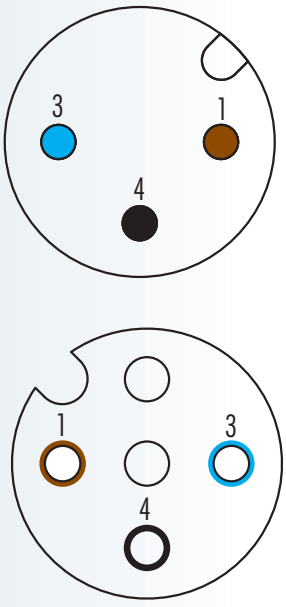
5 Contacts



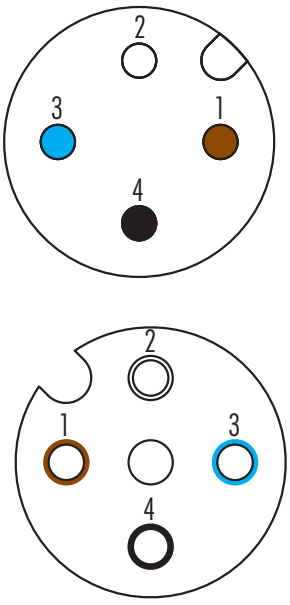
Contacts	Colour
1:	Brown
2:	White
3:	Blue
4:	Black
5:	Green / Yellow

3,4,5 Contacts, Coding A – shielded

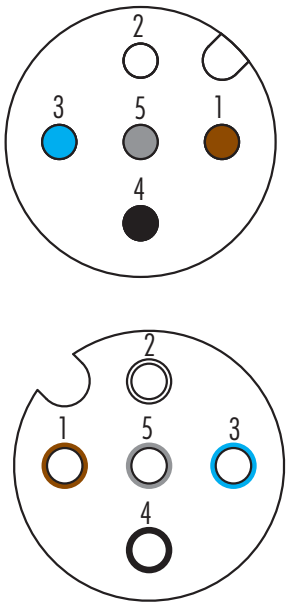
3 Contacts



4 Contacts



5 Contacts

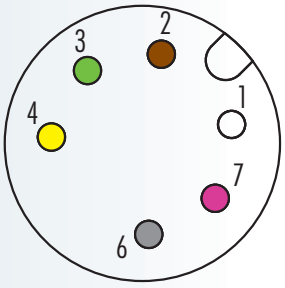


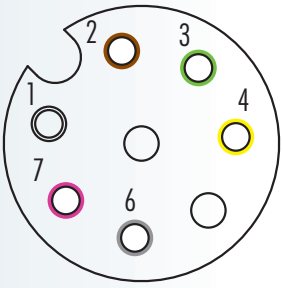
Contacts	Colour
1:	Brown
2:	White
3:	Blue
4:	Black
5:	Gray

COLOURS OF CONDUCTORS

6 Contacts, Coding A – PVC, PUR, PVC shielded

6 Contacts

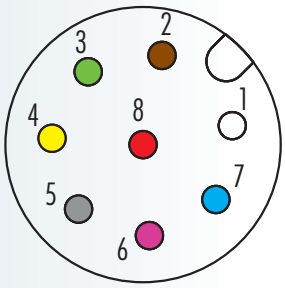


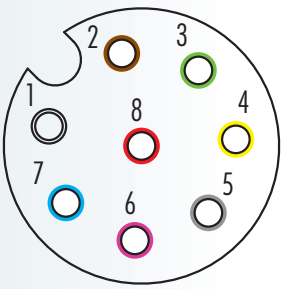


Contacts	Colour
1:	White
2:	Brown
3:	Green
4:	Yellow
6:	Gray
7:	Rose

8 Contacts, Coding A – PVC, PUR, PVC shielded

8 Contacts





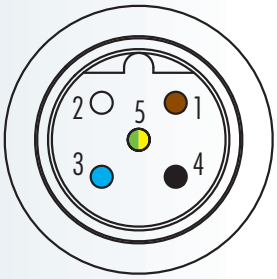
Contacts	Colour
1:	White
2:	Brown
3:	Green
4:	Yellow
5:	Gray
6:	Rose
7:	Blue
8:	Red

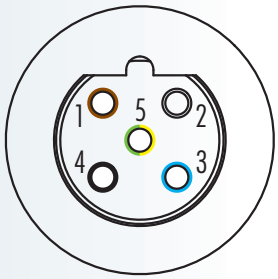
JAEGER
CONNECTEURS

COLOURS OF CONDUCTORS

5 Contacts, Coding B – PVC, PUR, PVC shielded

5 Contacts

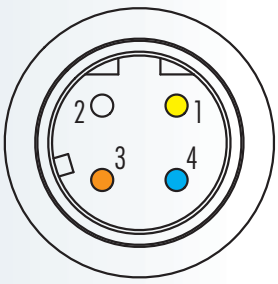


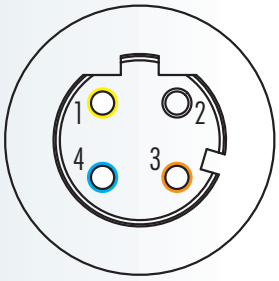


Contacts	Colour
1:	Brown
2:	White
3:	Blue
4:	Black
5:	Green / Yellow

4 Contacts, Coding D – PVC, PUR, PVC shielded

4 Contacts





Contacts	Colour
1:	Yellow
2:	White
3:	Orange
4:	Blue

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Power, Signal, Hybrid-Connector, Moulded Cordsets



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Customized Systems, Enclosure-Configurator



Conduit Systems

Corrugated Conduit Systems, Conduit Cable Glands, Angled Systems,
combined Cable Glands, Accessories



Cable Assembly

Moulded Signal- and Power Circular Connectors,
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