

## M12 fem. recept. D-cod. rear/RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA 2.5m

**Ethernet CAT5** 

Plastic housings with good resistance against chemicals and oils.

Flange female straight - male straight

M12 - RJ45, 4-pole

D-coded

Halogen-free-Material

shielded

8-pole partly used

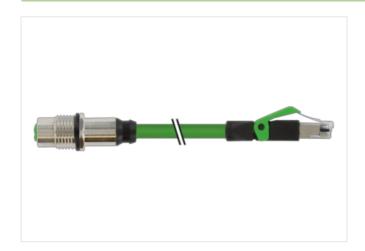
Rear mounting

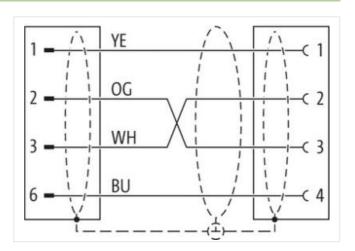
Transmission properties with channel transmission up to 100 m

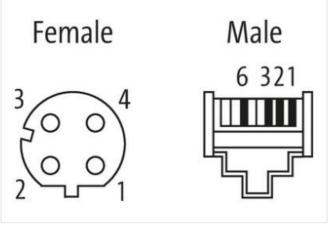
Further cable lengths on request.

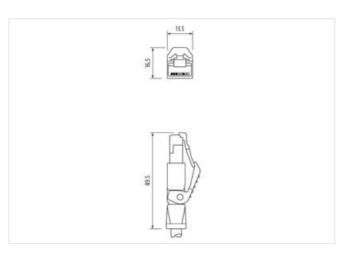
## **Link to Product**

## Illustration









Product may differ from Image











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Cable length	2,5 m
Side 1	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	D
Material	PUR
Degree of protection (EN IEC 60529)	IP67
Side 2	
Coating head	nickel plated
Family construction form	RJ45
Material	Brass
Degree of protection (EN IEC 60529)	IP20
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27279220
ECLASS-7.0	27440103
ECLASS-8.0	27440103
ECLASS-9.0	27440103
ECLASS-10.1	27440103
ECLASS-11.1	27440103
ECLASS-12.0	27440103
ETIM-5.0	EC002599
customs tariff number	85444290
GTIN	4048879539265
Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	60 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer narameters	CAT5_Class D (ISO/IEC 11801:2002) (EN 50173-1)
Transfer parameters  Data transmission rate max	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Data transmission rate max.  Industrial communication   Ethernet funct	100 MBit/s tionality
Data transmission rate max.  Industrial communication   Ethernet funct duplex	100 MBit/s
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Data transmission rate max.  Industrial communication   Ethernet funct duplex	100 MBit/s tionality
Data transmission rate max.  Industrial communication   Ethernet funct duplex Installation   Connection	100 MBit/s tionality Full duplex
Data transmission rate max.  Industrial communication   Ethernet funct duplex Installation   Connection Mounting set	100 MBit/s tionality Full duplex M16 x 1.5
Data transmission rate max.  Industrial communication   Ethernet funct duplex Installation   Connection Mounting set Family construction form	100 MBit/s  tionality  Full duplex  M16 x 1.5  M12
Data transmission rate max.  Industrial communication   Ethernet funct duplex  Installation   Connection  Mounting set Family construction form  Width across flats	100 MBit/s  tionality  Full duplex  M16 x 1.5  M12
Data transmission rate max.  Industrial communication   Ethernet funct duplex Installation   Connection  Mounting set Family construction form Width across flats  Device protection   Electrical	100 MBit/s  tionality  Full duplex  M16 x 1.5  M12  SW19
Data transmission rate max.  Industrial communication   Ethernet funct duplex  Installation   Connection  Mounting set Family construction form  Width across flats  Device protection   Electrical  Protection NEMA	100 MBit/s  tionality  Full duplex  M16 x 1.5  M12  SW19  3, 4, 6P
Data transmission rate max.  Industrial communication   Ethernet funct duplex  Installation   Connection  Mounting set Family construction form  Width across flats  Device protection   Electrical  Protection NEMA  Pollution Degree	100 MBit/s  tionality  Full duplex  M16 x 1.5  M12  SW19  3, 4, 6P  3
Data transmission rate max.  Industrial communication   Ethernet funct duplex  Installation   Connection  Mounting set Family construction form  Width across flats  Device protection   Electrical  Protection NEMA  Pollution Degree  Rated surge voltage	100 MBit/s  tionality  Full duplex  M16 x 1.5  M12  SW19  3, 4, 6P  3  1 kV
Data transmission rate max.  Industrial communication   Ethernet funct duplex  Installation   Connection  Mounting set Family construction form  Width across flats  Device protection   Electrical  Protection NEMA  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)	100 MBit/s  tionality  Full duplex  M16 x 1.5  M12  SW19  3, 4, 6P  3  1 kV
Data transmission rate max.  Industrial communication   Ethernet funct duplex  Installation   Connection  Mounting set Family construction form  Width across flats  Device protection   Electrical  Protection NEMA  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data	100 MBit/s  tionality  Full duplex  M16 x 1.5  M12  SW19  3, 4, 6P  3  1 kV
Data transmission rate max.  Industrial communication   Ethernet funct duplex  Installation   Connection  Mounting set Family construction form  Width across flats  Device protection   Electrical  Protection NEMA  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking	tionality  Full duplex  M16 x 1.5  M12  SW19  3, 4, 6P  3  1 kV  I  nickel plated



stay connected

perating temperature min.	-25 °C
perating temperature max.	85 °C
dditional condition temperature range	depending on cable quality
mportant installation notes	
ote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
ote on bending radius	endangered by excessive bending forces.
Conformity	
roduct standard	DIN EN 61076-2-101 (M12)
Approvals	
L 50E	yes
nstallation   Cable	
able identification	794
acket Color	green
ype of Certificate	cURus
mount stranding	1
tranding	4 wires around Filler twisted
able shielding (type)	copper braid, tinned
able shielding (coverage)	85 %
anding	Fleece, Foil
iller	yes
ire arrangement	white, yellow, blue, orange
able weigth	75,87 g/m
aterial jacket	PUR
hore hardness jacket	89 Shore A
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
uter-diameter (jacket)	6,7 mm
olerance outer diameter (sheath)	±5%
aterial inner jacket	FRNC
olor (inner jacket)	white
aterial wire insulation	PE
mount wires	4
uter diameter insulation	1,55 mm
uter diameter tolerance core insulation	±5%
hore hardness wire insulation	65 Shore D
gredient freeness wire insulation	lead-free, CFC-free, halogen-free
mount strands (wire)	7
ameter of single wires	22 AWG
onductor crosssection (wire)	22 AWG
aterial conductor wire	Stranded copper wire, bare
ominal voltage AC max.	300 V
urrent load capacity (standard)	to DIN VDE 0298-4
urrent load capacity min. wire	4,8 A
haracteristic impedance	100 Ω ± 15 %
lectrical resistance line constant wire	55 Ω/km @ 20 °C
C withstand voltage (wire - wire)	2 kV @ 60 s
lectrical capacity line constant (wire - wire)	52000 pF/km
ower frequency withstand voltage (wire - cket)	2 kV @ 60 s
C withstand voltage (wire - shield)	2 kV @ 60 s



Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter