

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

PUR 1x4xAWG22 shielded gn UL/CSA 1.2m

**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

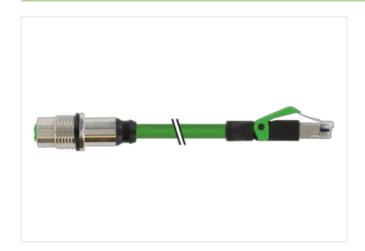
Rear mounting

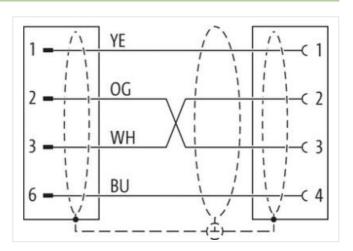
Transmission properties with channel transmission up to 100 m

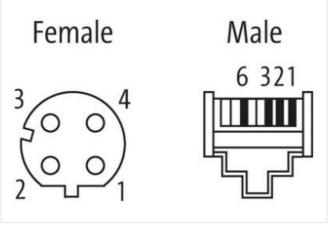
Further cable lengths on request.

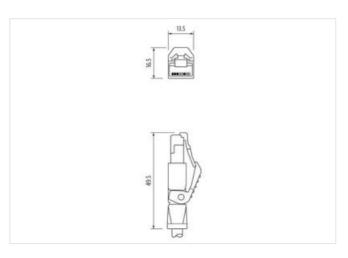
## **Link to Product**

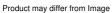
## Illustration





















stay connected

Cable length	1,2 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	4048879821667	
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 parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)	
Data transmission rate max.	100 MBit/s	
Industrial communication   Ethernet functionality		
duplex	Full duplex	
Installation   Connection		
Mounting set	M16 x 1.5	
Family construction form	M12	
Width across flats	SW19	
Device protection   Electrical		
Protection NEMA	3, 4, 6P	
Pollution Degree	3	
Rated surge voltage	1 kV	
Material group (IEC 60664-1)	I	
Mechanical data   Material data		
Coating locking	nickel plated	
Locking material	Brass	
Mechanical data   Mounting data		
	inserted, screwed	



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