

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

PUR 1x4xAWG22 shielded gn UL/CSA 0.6m

**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

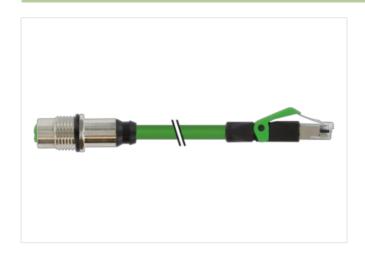
Rear mounting

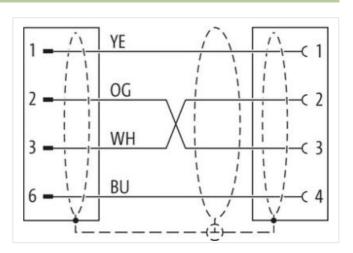
Transmission properties with channel transmission up to 100 m

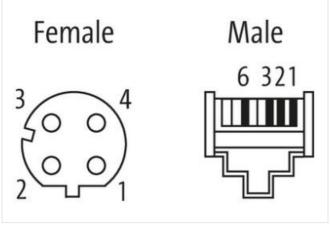
Further cable lengths on request.

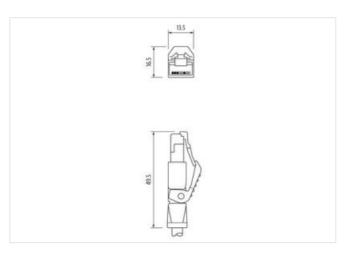
## **Link to Product**

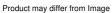
## Illustration





















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Cable length	0,6 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	4048879754491	
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		
·	Full duplex	
duplex	i uii dupiex	
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)	1	
Mechanical data   Material data		
Coating locking	nickel plated	
Locking material	Brass	
Marchania data (Marcation data		
Mechanical data   Mounting data		

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19



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Environmental characteristics   Climatic		
Operating temperature min.	-25 °C	
Operating temperature max.	85 °C	
additional condition temperature range	depending on cable quality	
Important installation notes		
lote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	
lote on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	
Conformity		
Product standard	DIN EN 61076-2-101 (M12)	
Approvals		
JL 50E	yes	
	y65	
Installation   Cable		
Cable identification	794	
acket Color	green	
ype of Certificate	cURus	
amount stranding	1	
Stranding	4 wires around Filler twisted	
Cable shielding (type)	copper braid, tinned	
Cable shielding (coverage)	85 %	
Banding	Fleece, Foil	
iller	yes	
vire arrangement	white, yellow, blue, orange	
Cable weigth	75,87 g/m	
Material jacket	PUR	
Shore hardness jacket	89 Shore A	
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
Outer-diameter (jacket)	6,7 mm	
olerance outer diameter (sheath)	±5%	
Naterial inner jacket	FRNC	
Color (inner jacket)	white	
Material wire insulation	PE	
mount wires	4	
Outer diameter insulation	1,55 mm	
Outer diameter tolerance core insulation	±5%	
Shore hardness wire insulation	65 Shore D	
ngredient freeness wire insulation	lead-free, CFC-free, halogen-free	
amount strands (wire)	7	
Diameter of single wires	22 AWG	
Conductor crosssection (wire)	22 AWG	
Material conductor wire	Stranded copper wire, bare	
Iominal voltage AC max.	300 V	
Current load capacity (standard)	to DIN VDE 0298-4	
current 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	
Electrical capacity line constant (wire - wire)	52000 pF/km	
Power frequency withstand voltage (wire - acket)	2 kV @ 60 s	
C withstand voltage (wire - shield)	2 kV @ 60 s	
fin. operating temperature (static)	-40 °C	



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