

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

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 3m

Product fulfills requirements according to UN/ECE R118

**Ethernet CAT5** 

Plastic housings with good resistance against chemicals and oils.

Flange female straight - male straight

M12 - RJ45, 4-pole

D-coded

shielded

8-pole partly used

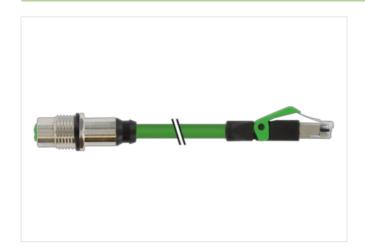
Rear mounting

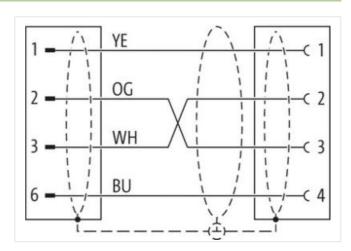
Transmission properties with channel transmission up to 100 m

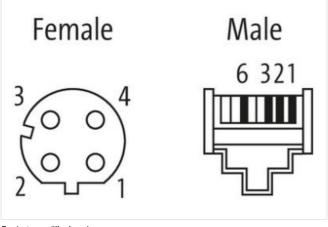
Further cable lengths on request.

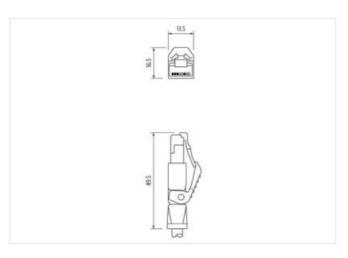
## **Link to Product**

## Illustration









Product may differ from Image











stay connected

Cable length	3 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	4065909044872
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 fun	
·	
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	
Mounting method	inserted, screwed



stay connected

perating temperature min.	-25 °C
Operating temperature max.	85 °C
dditional condition temperature range	depending on cable quality
Important installation notes	
lote on strain relief	Protect the connectors by suitable measures from mechanical leads, a g, by the usage of cable ties
lote on strain reliei	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be
lote on bending radius	endangered by excessive bending forces.
Conformity	
roduct standard	DIN EN 61076-2-101 (M12)
Approvals	
IL 50E	yes
Installation   Cable	
cable identification	796
acket Color	green
ype of Certificate	cURus
mount stranding	1
tranding	4 wires around Core filler twisted
cable shielding (type)	copper braid, tinned
cable shielding (type)	85 %
rable shielding (coverage)	Fleece. Foil
iller	yes
rire arrangement	white, yellow, blue, orange
able weigth	69,3 g/m
laterial 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 %
Material inner jacket	FRNC
color (inner jacket)	natur
Material wire insulation	PE
mount wires	4
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	±5%
hore hardness wire insulation	65 Shore D
ngredient freeness wire insulation	lead-free, CFC-free, halogen-free
mount strands (wire)	7
viameter of single wires	22 AWG
onductor crosssection (wire)	22 AWG
laterial conductor wire	Stranded copper wire, bare
raversing distance (C-track)	5 m @ 25 °C
ravel speed (C-track)	3 Mio. @ 25 °C
ravel speed (C-track)	3,3 m/s @ 25 °C
ominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
current load capacity min. wire	4,8 A
Characteristic impedance	100 Ω ± 15 % @ 100 MHz
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)	50000 pF/km
ower frequency withstand voltage (wire -	2 kV @ 60 s



AC withstand voltage (wire - shield)	2 kV @ 60 s
Loop resistance	5000 MΩ × km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m