

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

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 1.15m

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

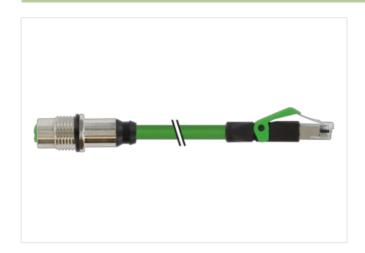
Rear mounting

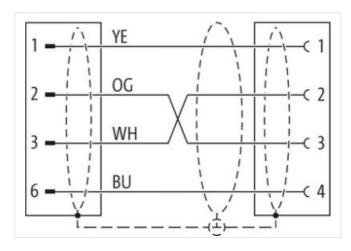
Transmission properties with channel transmission up to 100 m

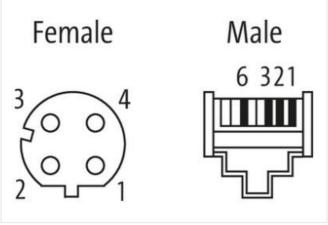
Further cable lengths on request.

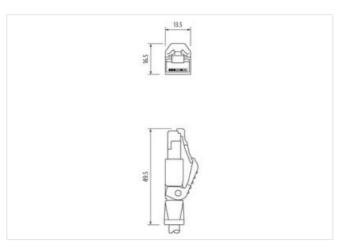
Link to Product

Illustration









Product may differ from Image











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Cable length	1,15 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	4048879894692
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	ctionality
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

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: 2024-05-10



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Environmental characteristics Climatic		
perating temperature min.	-25 °C	
perating 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 loads, e.g. by the usage of cable ties.	
lote on bending radius	Attention: 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	
	yes	
Installation Cable		
able identification	796	
acket Color	green	
ype of Certificate	cURus	
mount stranding	1	
tranding	4 wires around Core filler twisted	
able shielding (type)	copper braid, tinned	
able shielding (coverage)	85 %	
anding	Fleece, Foil	
iller	yes	
rire arrangement	white, yellow, blue, orange	
raversing distance (C-track)	5 m @ 25 °C	
ravel speed (C-track)	3 Mio. @ 25 °C	
able weigth	69,3 g/m	
ravel speed (C-track)	3,3 m/s @ 25 °C	
faterial jacket	PUR	
hore 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%	
Material inner jacket	FRNC	
color (inner jacket)	natur	
faterial wire insulation	PE	
mount wires	4	
Outer diameter insulation	1,4 mm	
Outer diameter tolerance core insulation	±5%	
thore 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	
Conductor crosssection (wire)	22 AWG	
Material conductor wire	Stranded copper wire, bare	
oop resistance	5000 MΩ × km	
lominal voltage AC max.	300 V	
Gurrent load capacity (standard)	to DIN VDE 0298-4	
Current load capacity min. wire	4,8 A	
Characteristic impedance	100 Ω ± 15 % @ 100 MHz	
Electrical resistance line constant wire	55 Ω/km @ 20 °C	
C withstand voltage (wire - wire)	2 kV @ 60 s 50000 pF/km	



Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
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