

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

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 0.5m

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

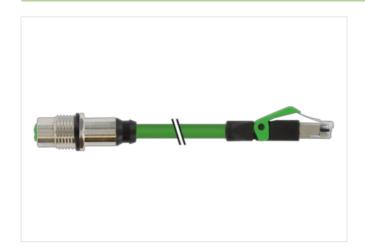
Rear mounting

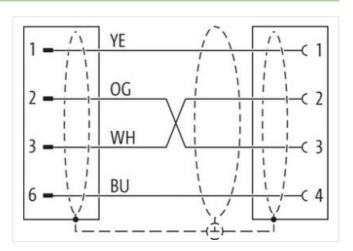
Transmission properties with channel transmission up to 100 m

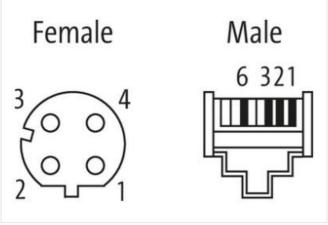
Further cable lengths on request.

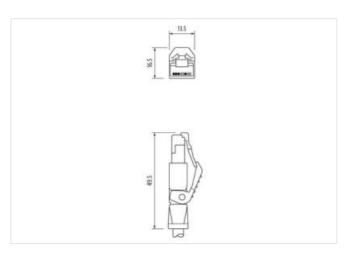
## **Link to Product**

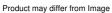
## Illustration





















stay connected

Cable length	0,5 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	27260702
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	4048879714594
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
Dala transmission rate max.	100 1001/5
Industrial communication   Ethernet funct	ionality
Industrial communication   Ethernet funct	
	ionality
duplex	ionality
duplex Installation   Connection	Full duplex
duplex Installation   Connection Mounting set	Full duplex M16 x 1.5
duplex Installation   Connection  Mounting set Family construction form	Full duplex  M16 x 1.5  M12
Installation   Connection  Mounting set Family construction form  Width across flats	Full duplex  M16 x 1.5  M12
Installation   Connection  Mounting set Family construction form  Width across flats  Device protection   Electrical	Full duplex  M16 x 1.5  M12  SW19
duplex Installation   Connection  Mounting set Family construction form  Width across flats  Device protection   Electrical  Protection NEMA	Full duplex  M16 x 1.5  M12  SW19  3, 4, 6P
Installation   Connection  Mounting set Family construction form  Width across flats  Device protection   Electrical  Protection NEMA  Pollution Degree	Full duplex  M16 x 1.5  M12  SW19  3, 4, 6P 3
Installation   Connection  Mounting set  Family construction form  Width across flats  Device protection   Electrical  Protection NEMA  Pollution Degree  Rated surge voltage	Full duplex  M16 x 1.5  M12  SW19  3, 4, 6P  3 1 kV
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)	Full duplex  M16 x 1.5  M12  SW19  3, 4, 6P  3 1 kV
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	Full duplex  M16 x 1.5  M12  SW19  3, 4, 6P  3 1 kV
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	Full duplex  M16 x 1.5  M12  SW19  3, 4, 6P  3  1 kV  I



stay connected

Operating temperature min.  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.
	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	
Product standard	DIN EN 61076-2-101 (M12)
Approvals	
JL 50E	yes
Installation   Cable	
Cable identification	796
acket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
cable shielding (coverage)	85 %
Banding	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 %
faterial inner jacket	FRNC
Color (inner jacket)	natur
laterial wire insulation	PE
mount wires	4
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	65 Shore D
ngredient freeness wire insulation	lead-free, CFC-free, halogen-free
mount strands (wire)	7
iameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
faterial 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
	55 Ω/km @ 20 °C
C withstand voltage (wire - wire)	2 kV @ 60 s
Electrical resistance line constant wire  AC withstand voltage (wire - wire)  Electrical capacity line constant (wire - wire)  Power frequency withstand voltage (wire -	2 kV @ 60 s 50000 pF/km



AC withstand voltage (wire - shield)	2 kV @ 60 s
Loop resistance	5000 M $\Omega$ × 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