

M12 male 90° D-cod. with cable shielded

PUR 1x4xAWG22 shielded rd UL/CSA+drag ch. 10m

Ethernet CAT5 Male 90° M12, 4-pole D-coded shielded

Transmission properties with channel transmission up to 100 m

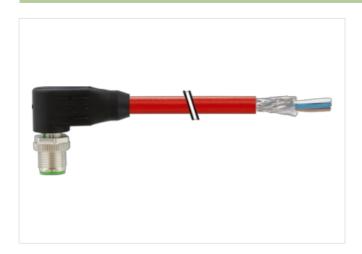
Further cable lengths on request.

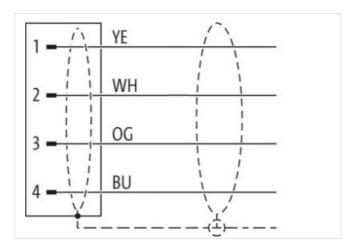
Plastic housings with good resistance against chemicals and oils.

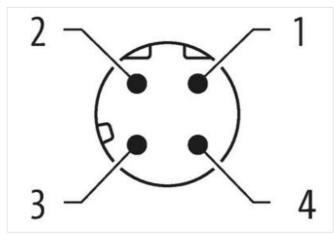
The resistance to aggressive media should be individually tested for your application. Further details on request.

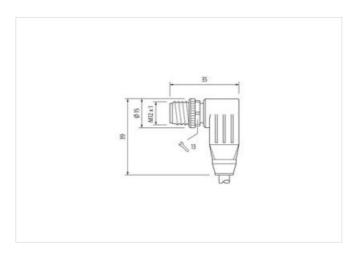
Link to Product

Illustration









Product may differ from Image











Cable length

10 m



stay connected

Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	D
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC002599
customs tariff number	85444290
GTIN	4048879406390
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 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 fund	ctionality
duplex	Full duplex
	- an auptor
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	



Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: 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)
Installation Cable	
	792
Cable identification Jacket Color	red
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (type)	85 %
Banding	Fleece, Foil
Filler	
vire arrangement	yes white, yellow, blue, orange
Fraversing distance (C-track)	5 m @ 25 °C
Cable weigth	69,3 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
Folerance outer diameter (sheath)	± 5 %
Material inner jacket	FRNC
Color (inner jacket)	natur
Material wire insulation	PE PE
Amount wires	4
Outer diameter insulation	1,4 mm
Outer diameter insulation	± 5 %
Shore hardness wire insulation	65 Shore D
ngredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire) Diameter of single wires	7 22 AWG
<u> </u>	
Conductor crosssection (wire) Material conductor wire	22 AWG
	Stranded copper wire, bare 5000 MΩ × km
oop resistance Nominal voltage AC max.	300 V
Current load capacity (standard) Current load capacity min. wire	to DIN VDE 0298-4
Characteristic impedance	4,8 A
Electrical resistance line constant wire	100 Ω ± 15 % @ 100 MHz 55 Ω/km @ 20 °C
C withstand voltage (wire - wire)	2 kV @ 60 s
Electrical capacity line constant (wire - wire)	
Power frequency withstand voltage (wire - acket)	50000 pF/km 2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (static)	80 °C
Derating temperature (fixed)	-30 °C



Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
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
Travel speed (C-track)	3 Mio.
No. of torsion cycles	1 Mio.
Torsion stress	± 180 °/m