

M12 male 0° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 7.5m

Product fulfills requirements according to UN/ECE R118

Ethernet CAT5

Transmission properties with channel transmission up to 100 m

Male straight

M12, 4-pole

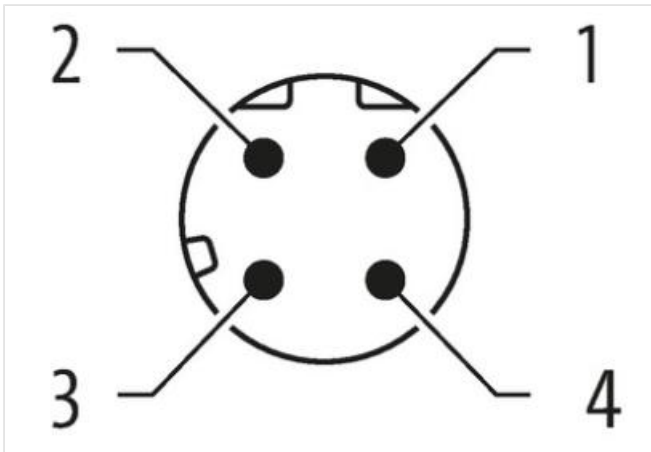
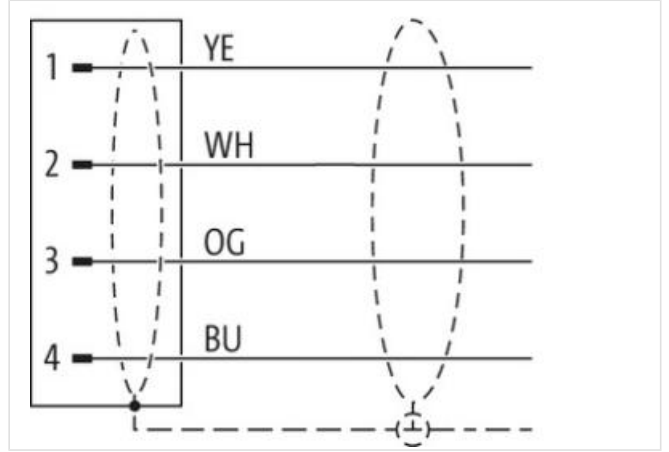
D-coded

shielded

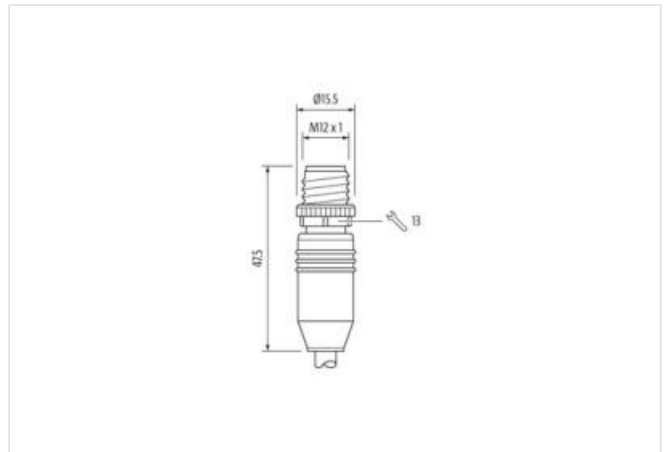
Further cable lengths on request.

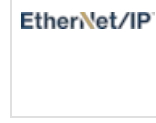
Plastic housings with good resistance against chemicals and oils.

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

Ürün Linki**örnekleme**

Ürün Image farklı olabilir





Cable length 7,5 m

Side 1

Tightening torque 0,6 Nm
Mounting method inserted, screwed
Family construction form M12
Thread M12 x 1
Cable outlet straight
Coding D
Material PUR
No. of poles 4
Width across flats SW13
Degree of protection (EN IEC 60529) IP65, IP66K, IP67

Side 2

Stripping length (jacket) 20 mm
Family construction form free cable end

Ticari bilgiler

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
GTIN 4048879197441
Gümrük tarife no (gtip) 85444290
Paket miktarı 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 functionality

duplex Full duplex

Diagnostics

Status indication LED no

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
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Mechanical data | Material data

Coating locking	Nickel
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
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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

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)
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Installation | Cable

wire arrangement	white, yellow, blue, orange
Cable identification	796
Jacket 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
Filler	yes
wire arrangement	white, yellow, blue, orange
Cable weight	69,3 g/m
Material jacket	PUR
Shore hardness jacket	89 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,7 mm
Tolerance outer diameter (sheath)	± 5 %
Material inner jacket	FRNC
Color (inner jacket)	natur
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	65 Shore D
Ingredient 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
Nominal 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 $\Omega \pm 15\%$ @ 100 MHz
Electrical resistance line constant wire	55 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electrical capacity line constant (wire - wire)	50000 pF/km
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Isolation resistance	5000 M $\Omega \times \text{km}$
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 bending cycles (C-track)	3 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m