

M12 female 0° D-cod. / RJ45 male 0° shielded

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

Product fulfills requirements according to UN/ECE R118

Ethernet CAT5

Female straight – male straight

M12 – RJ45, 4-pole

D-coded

shielded

Transmission properties with channel transmission up to 100 m

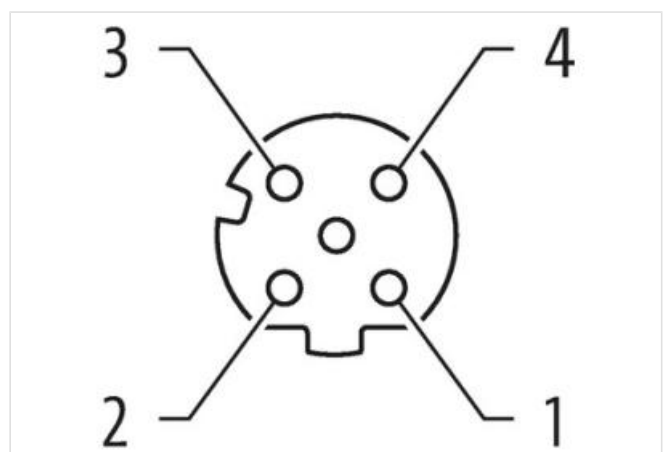
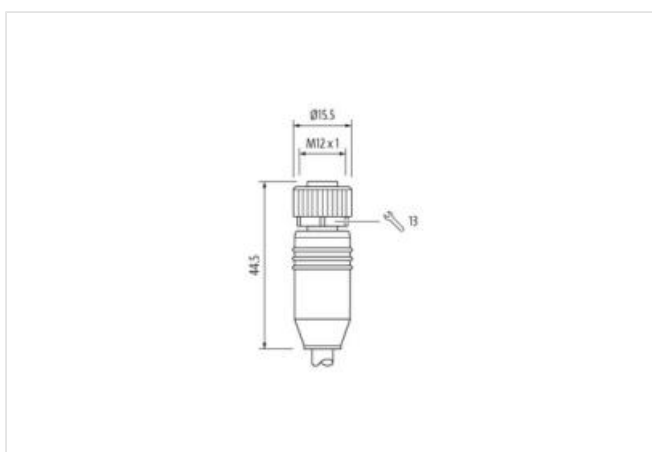
Further cable lengths on request.

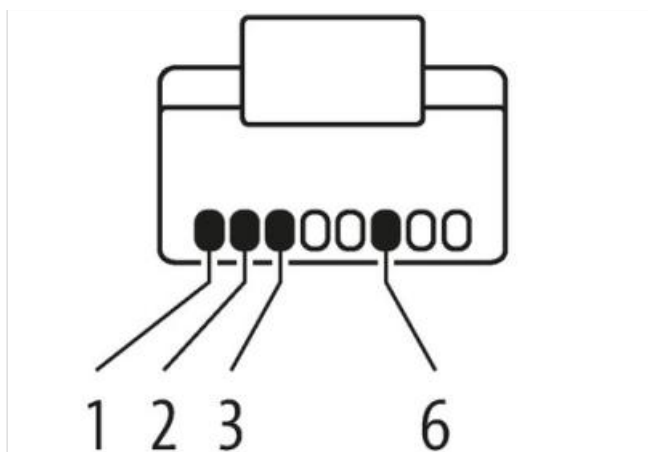
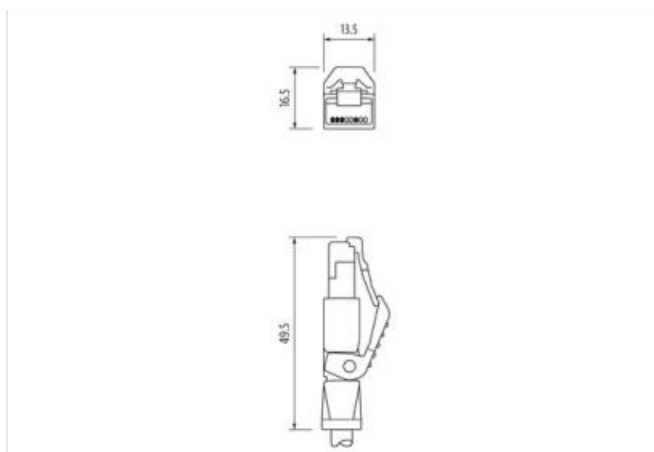
Plastic housings with good resistance against chemicals and oils.

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

Länk till produkt

Illustration





Produkten kan skilja sig från bilden



Cable length 0,5 m

Side 1

Tightening torque 0,6 Nm

Mounting method inserted, screwed

Family construction form M12

Thread M12 x 1

Coding D

Material PUR

No. of poles 4

Width across flats SW13

Degree of protection (EN IEC 60529) IP67

Side 2

Mounting method pluggable

Family construction form RJ45

Material PUR

No. of poles 4

Degree of protection (EN IEC 60529) IP20

Kommersiella uppgifter

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

Förpackningsenhet 1

GTIN 4048879619578

Kundens tullnummer 85444290

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

Device protection | Electrical

Pollution Degree 3
 Rated surge voltage 1 kV
 Material group (IEC 60664-1) I

Mechanical data

Contour for corrugated hose without

Mechanical data | Material data

Coating locking Nickeled
 Material gasket FKM
 Locking material 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

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
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3 Mio. @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
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 Ω ± 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
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