

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

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

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

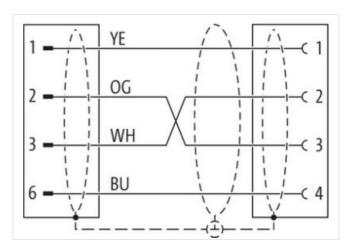
Transmission properties with channel transmission up to 100 m

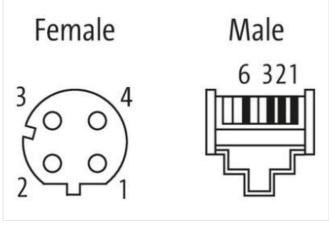
Further cable lengths on request.

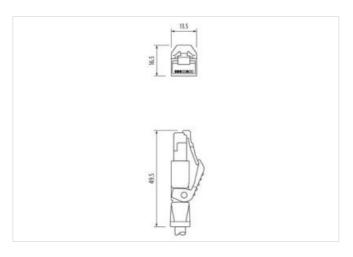
Link to Product

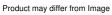
Illustration



























stay connected

Cable length	1 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	4048879576284
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



stay connected

Environmental characteristics Climatic		
Operating temperature min.	-25 °C	
Operating temperature max.	85 °C	
Additional condition temperature range	depending on cable quality	
<u> </u>	asponding on subsequency	
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)	
Approvals		
JL 50E	yes	
Installation Cable		
•	white willow block and a	
wire arrangement	white, yellow, blue, orange	
Cable identification Jacket Color	798 violet	
	1.21	
Type of Certificate Amount stranding	cURus 1	
Stranding	4 wires around Core filler twisted	
Cable shielding (type)	copper braid, tinned	
Cable shielding (coverage)	85 %	
Banding Filler	Fleece, Foil	
	yes	
wire arrangement	white, yellow, blue, orange	
Cable weigth	68,64 g/m PUR	
Material jacket		
Shore hardness jacket Freedom from ingredients (jacket)	89 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
	6,7 mm	
Outer-diameter (jacket) 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	
ngredient 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 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 - acket)	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 bending cycles (C-track)	3 Mio.
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 180 °/m