

M12 male 0° D-cod. with cable shielded

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

Ethernet CAT5

Transmission properties with channel transmission up to 100 m

Male straight

M12, 4-pole

D-coded

shielded

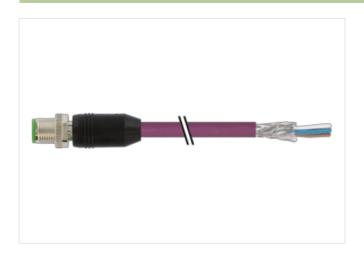
Further cable lengths on request.

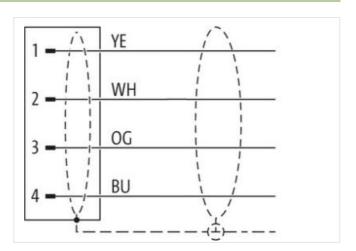
Plastic housings with good resistance against chemicals and oils.

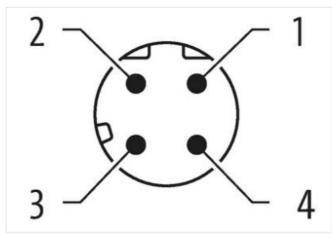
The resistance to aggressive media should be individually tested for your application. Further details on request.

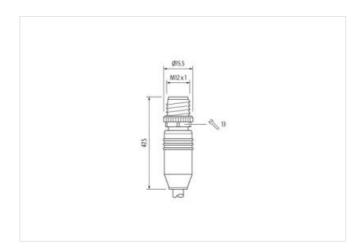
Link to Product

Illustration









Product may differ from Image











Cable length

7,5 m



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Side 1	
Fightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	D
Material	PUR
Nidth across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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	4048879197366
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
Fransfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication Ethernet funct	tionality
duplex	Full duplex
Installation Connection	
•	MA4
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)	ı
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
ocking 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 min.	-25 °C 85 °C
Operating temperature min. Operating temperature max. Additional condition temperature range	-25 °C 85 °C depending on cable quality

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stay connected

mportant installation notes	
ote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
ote 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	
roduct standard	DIN EN 61076-2-101 (M12)
nstallation Cable	
able identification	798
acket Color	violet
ype of Certificate	cURus
mount stranding	1
tranding	4 wires around Core filler twisted
able shielding (type)	copper braid, tinned
able shielding (type) able shielding (coverage)	85 %
anding	Fleece, Foil
iller	yes
ire arrangement	white, yellow, blue, orange
raversing distance (C-track)	5 m @ 25 °C
able weigth	68.64 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%
laterial inner jacket	FRNC
olor (inner jacket) laterial wire insulation	natur PE
	4
mount wires outer diameter insulation	1,4 mm
uter diameter insulation	±5%
hore hardness wire insulation	65 Shore D
agredient freeness wire insulation	lead-free, CFC-free, halogen-free
<u> </u>	7
mount strands (wire)	22 AWG
iameter of single wires	
onductor crosssection (wire) laterial conductor wire	22 AWG Stranded copper wire, bare
ominal voltage AC max.	Stranded copper wire, bare 300 V
urrent load capacity (standard)	to DIN VDE 0298-4
urrent load capacity min. wire	4,8 A
haracteristic impedance	100 Ω ± 15 % @ 100 MHz
lectrical resistance line constant wire	55 Ω/km @ 20 °C
C withstand voltage (wire - wire)	2 kV @ 60 s
lectrical capacity line constant (wire - wire)	50000 pF/km
ower frequency withstand voltage (wire -	2 kV @ 60 s
C withstand voltage (wire - shield)	2 kV @ 60 s
lin. operating temperature (static)	-40 °C
lax. operating temperature (fixed)	80 °C
perating temperature min. (dynamic)	-30 °C
perating temperature max. (dynamic)	70 °C
lame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
nemical resistance	Good, application-related testing
asoline resistance	Good, application-related testing
	DIN EN 60811-404 Good, application-related testing

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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