

M12 male 0° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 22m

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.

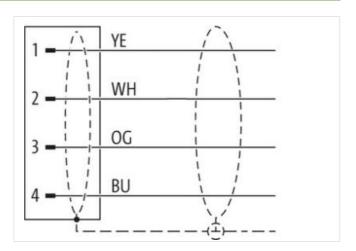
Plastic housings with good resistance against chemicals and oils.

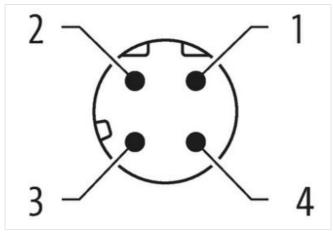
The resistance to aggressive media should be individually tested for your application. Further details on request.

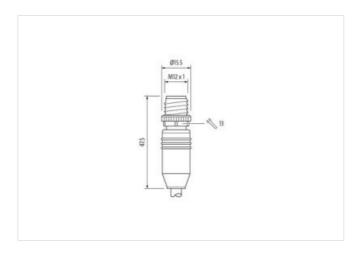
Link to Product

Illustration









Product may differ from Image













stay connected

Cable length	22 m
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
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
customs tariff number	85444290
GTIN	4048879828581
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 fun	
duplex	Full duplex
·	i uli uupiex
Installation Connection	
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)	
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
· · · · · · · · · · · · · · · · · · ·	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-09



stay connected

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	
acket Color	green	
ype 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	
iller	yes	
vire arrangement	white, yellow, blue, orange	
raversing distance (C-track)	5 m @ 25 °C	
ravel speed (C-track)	3 Mio. @ 25 °C	
Cable weigth	69,3 g/m	
ravel speed (C-track)	3,3 m/s @ 25 °C	
faterial jacket	PUR	
hore 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	
olerance outer diameter (sheath)	± 5 %	
laterial inner jacket	FRNC	
olor (inner jacket)	natur	
laterial wire insulation	PE	
mount wires	4	
outer diameter insulation	1,4 mm	
Outer diameter tolerance core insulation	±5%	
hore hardness wire insulation	65 Shore D	
gredient freeness wire insulation	lead-free, CFC-free, halogen-free	
mount strands (wire)	7	
iameter of single wires	22 AWG	
onductor crosssection (wire)	22 AWG	
laterial conductor wire	Stranded copper wire, bare	
oop resistance	5000 MΩ × km	
ominal voltage AC max.	300 V	
urrent load capacity (standard)	to DIN VDE 0298-4	
current 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	
Power frequency withstand voltage (wire - acket)	2 kV @ 60 s	
AC withstand voltage (wire - shield)	2 kV @ 60 s	
fin. 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