

M12 male 90° / M12 female 0° D-cod. shielded

PVC 1x4xAWG22 shielded gn UL/CSA+drag ch. 8m

Ethernet CAT5

Male 90° – female straight

M12 – M12, 4-pole

D-coded

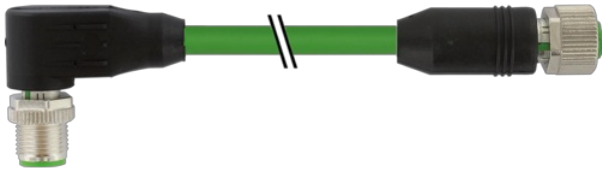
shielded

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

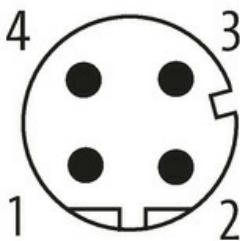
Plastic housings with good resistance against chemicals and oils.

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

[Link to Product](#)**Illustration**

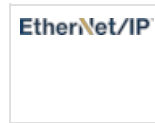
Male

Female





Product may differ from Image



* only for products with UL/CSA approved cable

Form	
Form	44581
Technical Data	
Operating voltage	max. 60 V DC
Operating voltage (only UL listed)	max. 30 V DC
Rated surge voltage	1.5 kV
Operating current per contact	max. 4 A
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Transfer rate	up to 100 Mbit/s full duplex
Material group	IEC 60664-1, category I
Coding	M12, D-coded
Locking of ports	Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
Compression gland	M12 (SW13)
Protection	IP65, IP66K, IP67 inserted and tightened (EN 60529)
Material	PUR
Locking material	Zinc die casting, matte nickel plated
suitable for corrugated tube (internal Ø)	without
General data	
Standards	DIN EN 61076-2-101 (M12)
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality
Cables	
Cable identification	800
Approval (cable)	UL (AWM-Style 2571/10578), CSA; CE conform; Profinet Guideline
Cable weight [g/m]	73,7 g
Material (wire)	Cu wire, bare
Resistor (core)	max. 55 Ω/km (20 °C)
Construction (core)	7× 0.254 mm
Diameter (core)	1× 4× AWG22/7
AWG	similar to AWG 22
Material (wire isolation)	PE
Shore hardness (wire isolation)	55 ±5 D
Wire-Ø incl. isolation	1.52 mm ±5%

Color/numbering of wires	wh, ye, bl, or
Shield	yes
optical shield cover	min. 85%
Material (jacket)	PVC
Shore hardness (jacket)	85 ±5 A
Outer-Ø (jacket)	6.5 mm ±5%
Color (jacket)	green
chemical resistance	Oil resistance IEC 60811-2-1, ASTM Öle 1, ICEA S-82-552 Std.
thermal resistance	flammwidrig nach UL 1581 Section 1060 (FT1), Section 1061 (cable flame), IEC 60332-1-2
Nominal voltage	300 V AC
Test voltage	2000 V AC (test duration 1 min)
Temperature range (fixed)	-30...+80 °C
Temperature range (mobile)	-10...+70 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	15× outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 2 m/s

Commercial data

country of origin	DE
customs tariff number	85444290
EAN	4048879781190
eClass	27061801
Packaging unit	1.000