

M12 male 0° / M12 male 0° shielded Ethernet

PUR 2x2xAWG22 shielded bu UL/CSA+drag ch. 3m

Ethernet CAT5e

Male straight – male straight

M12 – M12, 4-pole

D-coded

shielded

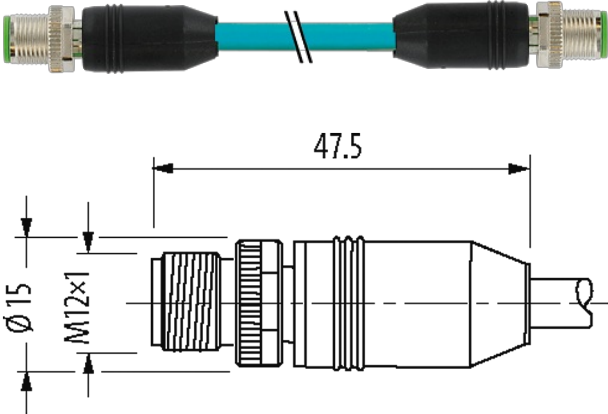
Further cable lengths on request.

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.

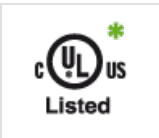
Transmission properties with channel transmission up to 100 m

Illustration



Product may differ from Image

Approvals



* only for products with UL/CSA approved cable

cCSAus

More Info

EtherNet/IP

EtherCAT

PROFI
NET

Form

Form 44511

Cables

Cable number	677
No./diameter of wires	2× 2× AWG22/7 (0.355)
Wire isolation	PO (wh, ye, bl, or)
C-track properties	3 Mio.
Jacket Color	blue
Material (jacket)	PUR (UL/CSA)
Outer Ø	6.7 mm ±5%

Bend radius (moving)	12× outer Ø
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-30...+70 °C
Cable identification	677
Approval (cable)	UL (AWM-Style 20233/11602), CSA; CE
Cable weight [g/m]	69,30
Material (wire)	Cu wire, bare
Resistor (core)	max. 55 Ω/km (20 °C)
Diameter (core)	2× 2× AWG22/7 (0.355)
AWG	similar to AWG 22
Material (wire isolation)	PO
Wire-Ø incl. isolation	1.4 mm ±5%
Color/numbering of wires	wh, ye, bl, or
Shield	yes
	min. 85%
Material (jacket)	PUR
Outer-Ø (jacket)	6.7 mm ±5%
Color (jacket)	blue
Nominal voltage	300 V
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-30...+70 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	12× outer Ø
No. of bending cycles (C-track)	max. 3 Mio. (25 °C)
Traversing distance (C-track)	max. 5 m (horizontal)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 2 m/s ²

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
Material group	IEC 60664-1, category I
Transfer parameters	CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Transfer rate	up to 100 Mbit/s full duplex
Coding	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)
Locking material	Zinc die casting, matte nickel plated
Material	PUR
suitable for corrugated tube (internal Ø)	without

General data

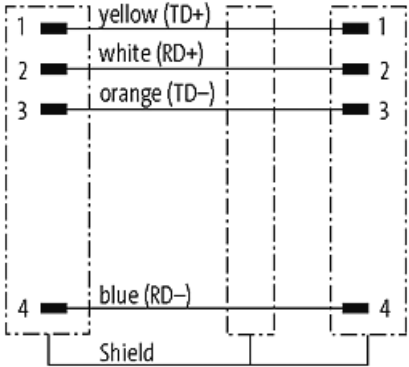
Standards	DIN EN 61076-2-101 (M12)
Pollution Degree	3
Mounting method	inserted, tightened
Temperature range	-25...+85 °C, depending on cable quality

Commercial data

country of origin	DE
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customs tariff number	85444290
EAN	4048879778022
eClass	27061801
Packaging unit	1

Sketch



Male

Male



Product may differ from Image