

**M12 male 0° X-cod. / RJ45 male 0° Gigabit**

PUR 4x2xAWG26 shielded gn UL/CSA 12m

Ethernet CAT6A

Male straight – male straight

M12 – RJ45, 8-pole

X-coded

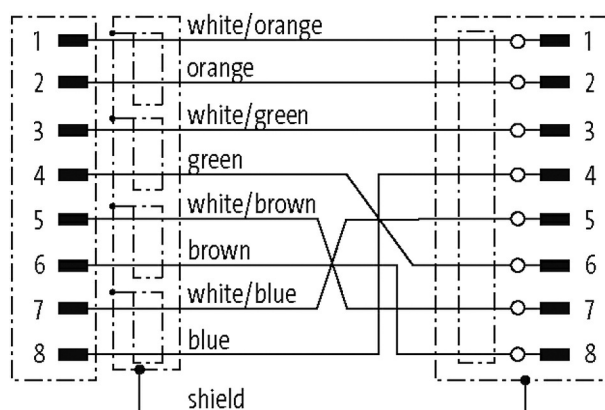
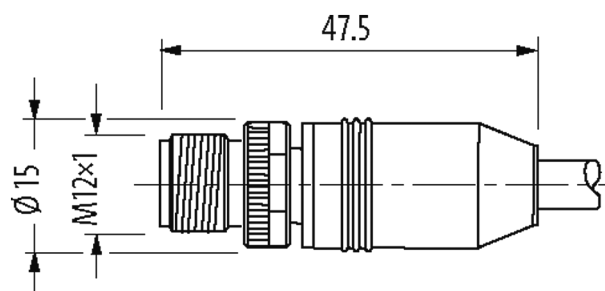
shielded

Transmission properties with channel transmission up to 50 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**

Product may differ from Image

**Approvals**

\* only for products with UL/CSA approved cable

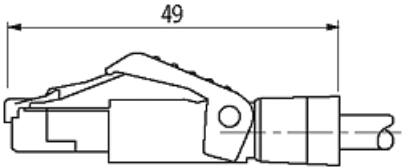
**Form**

Form

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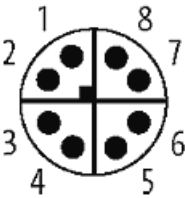
General data	
Standards	DIN EN 61076-2-109 (M12)
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality
Cables	
No./diameter of wires	4× 2× 0.14 mm <sup>2</sup>
Wire isolation	PE (whbl, bl, whor, or, whgn, gn, whbr, br)
Material (jacket)	PUR (UL/CSA)
Outer Ø	6.4 mm ±5%
Bend radius (moving)	10× outer Ø
Temperature range (fixed)	-30...+80 °C
Temperature range (mobile)	-10...+50 °C
Cable identification	790
Approval (cable)	UL (AWM-Style 20236/1598), CSA; CE
Cable weight [g/m]	52,80
Material (wire)	Cu wire, bare
Resistor (core)	max. 143 Ω/km (20 °C)
Single wire Ø (core)	0.16 mm
Diameter (core)	4× 2× 0.14 mm <sup>2</sup>
Material (wire isolation)	PE
Wire-Ø incl. isolation	1.05 mm ±5%
Color/numbering of wires	wh/or+or, wh/bl+bl, wh/br+br, wh/gn+gn
Shield	yes
	min. 65%
Material (jacket)	PUR
Outer-Ø (jacket)	6.4 mm ±5%
Color (jacket)	green
thermal resistance	flame retardant
Nominal voltage	125 V AC
Test voltage	1500 V (wire/wire); 1000 V (wire/shield)
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-10...+50 °C
Bend radius (fixed)	8× outer Ø
Bend radius (moving)	10× outer Ø
Jacket Color	green
Technical Data	
Operating voltage	max. 60 V DC
Operating voltage (only UL listed)	30 V DC
Rated surge voltage	1.0 kV
Operating current per contact	max. 0.5 A
Material group	IEC 60664-1, category I
Transfer parameters	CAT6, Class EA (ISO/IEC 11801:2002), (EN 50173-1)
Transfer rate	10 Gbit/s
Coding	X-coded
Locking of ports	Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
Compression gland	M12 (SW13)
Protection	IP66K, IP67 (M12) - IP20 (RJ45)
Locking material	Zinc die casting, matte nickel plated (M12)

Material	PUR
suitable for corrugated tube (internal Ø)	without
Commercial data	
country of origin	DE
customs tariff number	85444290
EAN	4048879785631
eClass	27061801
Packaging unit	1
Sketch	



Male

Male



Product may differ from Image