

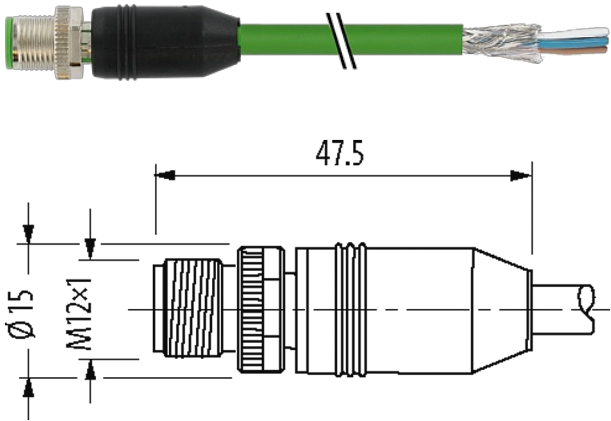
**M12 male 0° shielded, X-cod. with cable, Gigabit**

PUR 4x2xAWG26 shielded gn UL/CSA 25m

Ethernet CAT6A  
Male straight  
M12, 8-pole  
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 21001

General data

Standards	DIN EN 61076-2-109 (M12)
Mounting method	inserted, tightened
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality

Cables

No./diameter of wires	4 × 2 × 0.14 mm²
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 $\Omega$ /km (20 °C)
Single wire Ø (core)	0.16 mm
Diameter (core)	4 x 2 x 0.14 mm <sup>2</sup>
Material (wire isolation)	PE
Wire-Ø incl. isolation	1.05 mm $\pm$ 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 $\pm$ 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 x outer Ø
Bend radius (moving)	10 x outer Ø
Jacket Color	green

#### Technical Data

Operating voltage	max. 50 V AC/60 V DC
Operating voltage (only UL listed)	30 V AC/DC
Rated surge voltage	1.5 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 (M12x1 mm) recommended torque 0.6 Nm, self-securing
Compression gland	M12 (SW13)
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)
Locking material	Zinc die casting, matte nickel plated
Material	PUR
suitable for corrugated tube (internal Ø)	without

#### Commercial data

country of origin	DE
customs tariff number	85444290
EAN	4048879796125
eClass	27061801
Packaging unit	1