

**M12 male 0° D-cod. with cable shielded**

PUR 1x4xAWG22 shielded gn UL/CSA+robot 3m

Transmission properties with channel transmission up to 100 m

Ethernet CAT5

Male straight

M12, 4-pole

D-coded

shielded

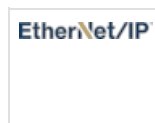
Further cable lengths on request.

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****Male**

Product may differ from Image



\* only for products with UL/CSA approved cable

Form	
Form	14541
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	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	793
Approval (cable)	cURus (AWM style 20549/10578); CE compliant
Cable weight [g/m]	69,3 g
Material (wire)	Cu wire, tin plated
Resistor (core)	max. 60 Ω/km (20 °C)
Single wire Ø (core)	0.16 mm
Construction (core)	19× 0.160 mm
Diameter (core)	1 × 4 × AWG22/19
Material (wire isolation)	PE
Wire-Ø incl. isolation	1.6 mm ±5%
Color/numbering of wires	wh, ye, bl, or
Shield	yes
optical shield cover	min. 85%
Material (jacket)	PUR
Outer-Ø (jacket)	6.6 mm ±5%
Color (jacket)	green
chemical resistance	Oil resistance IEC 60811-2-1, ASTM Öle 1, ICEA S-82-552 Std.
thermal resistance	flame-retardant according to UL 1581 section 1090, section 1100 (FT2), IEC 60332-1-2 Std.
Nominal voltage	300 V
Test voltage	2000 V AC (test duration 1 min)
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-20...+60 °C
Bend radius (fixed)	8× outer Ø
Bend radius (moving)	12× outer Ø
Torsion stress	±180°/m
No. of torsion cycles	max. 4 Mio. (25 °C)
Commercial data	

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 03/22

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