

**M12 fem. recept. D-cod. rear/RJ45 male 0° shielded**

PUR 1x4xAWG22 shielded vt UL/CSA+drag ch. 1m

Ethernet CAT5

Plastic housings with good resistance against chemicals and oils.

Flange female straight – male straight

M12 – RJ45, 4-pole

D-coded

shielded

8-pole partly used

Rear mounting

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

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

Female



Male





Product may differ from Image



\* only for products with UL/CSA approved cable

Form	
Form	44851
Technical Data	
Operating voltage	max. 60 V DC
Operating voltage (only UL listed)	max. 30 V DC
Rated surge voltage	1.0 kV
Operating current per contact	max. 1.5 A (20 °C)
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	Hexagonal nut (M16×1.5 mm)
Compression gland	M16 (SW19)
Protection	IP67 (M12) - IP20 (RJ45)
Protection NEMA	3, 4, 6P (UL 50E) (M12)
Material	PUR
Locking material	Brass, nickel plated
suitable for corrugated tube (internal Ø)	10 mm
General data	
Standards	DIN EN 61076-2-101 (M12)
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality
Cables	
Cable identification	798
Approval (cable)	cURus (AWM-Style 20549/11602), CE-conform
Cable weight [g/m]	68,64 g
Material (wire)	Cu wire, bare
Resistor (core)	max. 55 Ω/km (20 °C)
Construction (core)	19× 0.15 mm (multi-strand wire class 5)
Diameter (core)	1× 4× AWG22/7
AWG	similar to AWG 22
Material (wire isolation)	PO
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Wire-Ø incl. isolation	1.4 mm ±5%
Color/numbering of wires	wh, ye, bl, or

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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Shield	yes
optical shield cover	min. 85%
Material (jacket)	PUR
Material property (jacket)	CFC-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant
Shore hardness (jacket)	85 ±5 A
Outer-Ø (jacket)	6.7 mm ±5%
Color (jacket)	violet
chemical resistance	Oil resistance according to IEC 60811-2-1, ASTM IRM 901, 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)	-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)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 2 m/s <sup>2</sup>

#### Commercial data

country of origin	DE
customs tariff number	85444290
EAN	4048879576284
eClass	27061801
Packaging unit	1.000