

M12 male 0° D-cod. / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 20m

Ethernet CAT5

The resistance to aggressive media should be individually tested for your application. Further details on request.

Male straight – male straight

M12 – RJ45, 4-pole

D-coded

shielded

8-pole partly used

without cable sleeves

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

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

Male



Male





Product may differ from Image



* only for products with UL/CSA approved cable

Form

Form 44711

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	Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
Compression gland	M12 (SW13)
Protection	IP67 (M12) - IP20 (RJ45)
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	796
Approval (cable)	cURus (AWM-Style 20549/11602), CE-conform
Cable weight [g/m]	69,3 g
Material (wire)	Cu wire, bare
Resistor (core)	max. 55 Ω/km (20 °C)
Construction (core)	7× 0.254 mm
Diameter (core)	1× 4× AWG22/7
Material (wire isolation)	PE
Wire-Ø incl. isolation	1.4 mm ±5%
Color/numbering of wires	wh, ye, bl, or
Shield	yes
optical shield cover	min. 85%
Material (jacket)	PUR
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant
Outer-Ø (jacket)	6.7 mm ±5%
Color (jacket)	green

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 ²

Commercial data

country of origin	DE
customs tariff number	85444210
EAN	4048879515399
eClass	27061801
Packaging unit	1.000