

**M12 male 0° / M12 male 90° D-cod. shielded**

PUR 1x4xAWG22 shielded gn UL/CSA+robot 2m

Ethernet CAT5

Male 90° – male straight

M12 – M12, 4-pole

D-coded

shielded

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

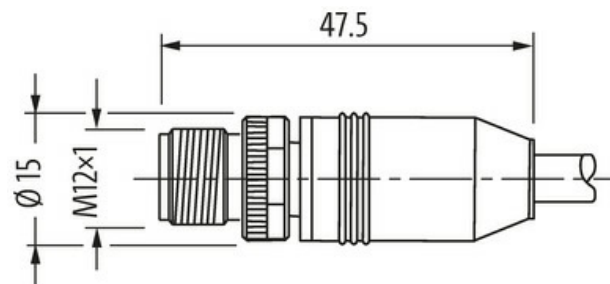
The resistance to aggressive media should be individually tested for your application. Further details on request.

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

Male

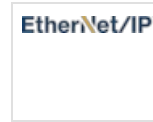


Male





Product may differ from Image



\* only for products with UL/CSA approved cable

#### Form

Form 44541

#### 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	M12, D-coded
Locking of ports	Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
Compression gland	M12 (SW13)
Protection	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

country of origin	DE
customs tariff number	85444290
EAN	4048879758086
eClass	27061801
Packaging unit	1.000