

**M12 male 90° / M12 female 90° B-cod. shielded**

PUR 1x2xAWG22 shielded vt UL/CSA+drag ch. 7.5m

Male 90° – female 90°  
 M12, 4-pole – M12, 2-pole  
 B-coded  
 shielded

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.

Further cable lengths on request.

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



Product may differ from Image



\* only for products with UL/CSA approved cable

**Form**

Form 44021

**Technical Data**

Operating voltage	max. 60 V AC/DC
Operating voltage (only UL listed)	30 V AC/DC
Rated surge voltage	1.5 kV
Operating current per contact	max. 4 A
No. of poles	M12, 4-pole – M12, 2-pole
Material group	IEC 60664-1, category I
Coding	B-coded
LED display	no
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)
Mounting method	inserted, tightened
Material (contact)	Copper alloy
Material (contact surface)	Au
Material (gasket)	FKM
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality

**Cables**

Cable identification	786
Approval (cable)	cURus (AWM-Style 20549/10578), CE-conform
Cable weight [g/m]	81,4 g
Material (wire)	Cu wire, bare
Resistor (core)	max. 55 Ω/km (20 °C)
Single wire Ø (core)	0.16 mm
Construction (core)	19× 0.16 mm (multi-strand wire class 5)

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

Diameter (core)	1 × 2 × AWG22
Material (wire isolation)	PE
Wire-Ø incl. isolation	2.8 mm ±5%
Color/numbering of wires	rd, gn
Shield	yes
optical shield cover	min. 85%
Material (jacket)	PUR
Outer-Ø (jacket)	8.1 mm ±5%
Color (jacket)	violet
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)	-30...+70 °C
Bend radius (fixed)	6 × 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 m/s
Acceleration (C-track)	max. 3 m/s <sup>2</sup>

#### Commercial data

country of origin	DE
customs tariff number	85444290
EAN	4048879701631
eClass	27260702
Packaging unit	1.000