

**M12 male 0° D-cod./RJ45 Push Pull 0° shielded AIDA**

PUR 1x4xAWG22 shielded gn UL/CSA+robot 12m

Ethernet CAT5

Plastic housings with good resistance against chemicals and oils.

Male straight – male straight

M12 – RJ45PP, 4-pole

D-coded

shielded

8-pole partly used

Push Pull

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

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

Male



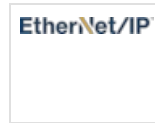
Male



Height: 22 mm



Product may differ from Image



\* only for products with UL/CSA approved cable

#### Form

Form 44715

#### Technical Data

Operating voltage	max. 60 V DC
Rated surge voltage	1.5 kV
Operating current per contact	max. 1.76 A
	1,5A
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	IP65 and IP67 when plugged and screwed down (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	85444210
EAN	4048879776783
eClass	27061801
Packaging unit	1.000