

M12 male 0° / M12 male 0° Y-cod. shielded V4A

PUR AWG20/26 shielded bk UL/CSA+drag ch. 1m

Ethernet CAT5

M12 – M12, 8-pole

Male straight – male straight

Y-coded

shielded

Stainless steel 1.4404 (V4A)

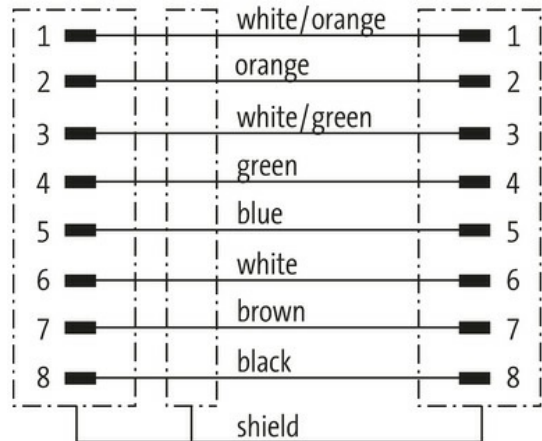
Plastic housings with good resistance against chemicals and oils.

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

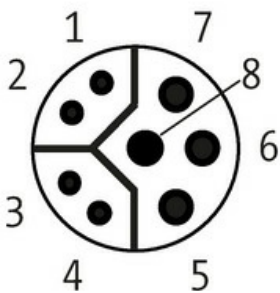
Further cable lengths on request.

[Link to Product](#)

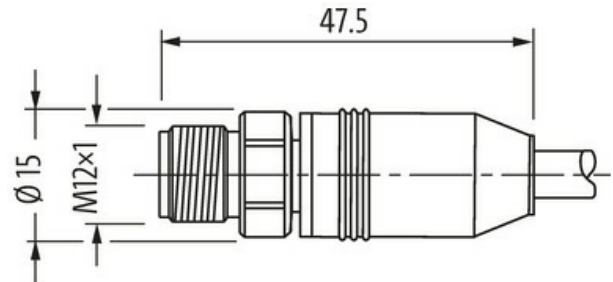
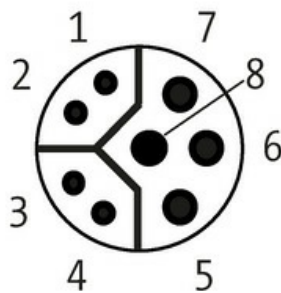
Illustration



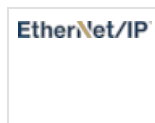
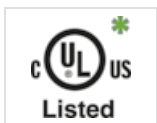
Male



Male



Product may differ from Image



* only for products with UL/CSA approved cable

Form

Form

47001

Technical Data

Operating voltage	max. 60 V DC
Operating voltage (only UL listed)	30 V DC
Rated surge voltage	1.5 kV
Operating current per contact	0.5 A (Data), 6 A (Power)
No. of poles	8
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Transfer rate	100 Mbit/s
Material group	IEC 60664-1, category I
Coding	Y-coded
LED display	no
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	Stainless steel 1.4404 (V4A)
suitable for corrugated tube (internal Ø)	without

General data

Mounting method	inserted, tightened
Material (contact)	Copper alloy
Material (contact surface)	Au
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality

Cables

Cable identification	805
Approval (cable)	cURus (AWM-Style 20549/10493); CE conform
Cable weight [g/m]	107,8 g
Material (wire isolation)	PP
Material property (wire isolation)	CFC-, halogen-, cadmium-, silicone- and lead-free
Shore hardness (wire isolation)	55 ±5 D
Color/numbering of wires	(bk, br, wh, bl), (whor, or, whgn, gn)
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
Shore hardness (jacket)	90 ±5 A
Outer-Ø (jacket)	8.1 mm ±5%
Color (jacket)	black
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	60 V AC
Test voltage	1000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-30...+70 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s ²
Torsion stress	±30°/m
No. of torsion cycles	max. 2 Mio. (25 °C)
Torsion speed	35 cycles/min

Commercial data

country of origin	DE
customs tariff number	85444290
EAN	4048879557177
eClass	27279218
Packaging unit	1.000