

M12 male 0° / M12 male 0° shielded Ethernet

PUR 1x4xAWG22 shielded gn UL/CSA+robot 20m

Ethernet CAT5e

Male straight – male straight

M12 – M12, 4-pole

D-coded

shielded

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.

Transmission properties with channel transmission up to 100 m

Illustration

Product may differ from Image

Approvals

* only for products with UL/CSA approved cable

cCSAus

More Info

EtherNet/IP



Form

Form 44511

Cables

No./diameter of wires	1 × 4 × 0.34 mm ²
Wire isolation	PE (wh, ye, bl, or)
Material (jacket)	PUR (UL/CSA)
Outer Ø	6.6 mm ±5%

Bend radius (moving)	12× outer Ø
Temperature range (fixed)	-40...+80 °C
Temperature range (mobile)	-20...+60 °C
Cable identification	793
Approval (cable)	UL (AWM-Style 20233/10578), CSA; CE
Cable weight [g/m]	69,30
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 (0.382)
Material (wire isolation)	PE
Wire-Ø incl. isolation	1.6 mm ±5%
Color/numbering of wires	wh, ye, bl, or
Shield	yes
	min. 85%
Material (jacket)	PUR
Outer-Ø (jacket)	6.6 mm ±5%
Color (jacket)	green
chemical resistance	good resistance to oil, gasoline and chemicals
thermal resistance	flame retardant
Nominal voltage	300 V
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)
Jacket Color	green

Technical Data

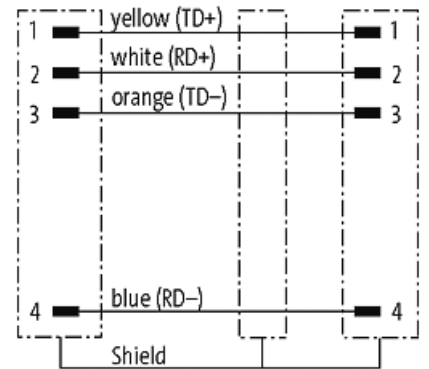
Operating voltage	max. 60 V DC
Operating voltage (only UL listed)	max. 30 V DC
Rated surge voltage	1.5 kV
Operating current per contact	max. 4 A
Material group	IEC 60664-1, category I
Transfer parameters	CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Transfer rate	up to 100 Mbit/s full duplex
Coding	D-coded
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)
Locking material	Zinc die casting, matte nickel plated
Material	PUR
suitable for corrugated tube (internal Ø)	without

General data

Standards	DIN EN 61076-2-101 (M12)
Pollution Degree	3
Mounting method	inserted, tightened
Temperature range	-25...+85 °C, depending on cable quality

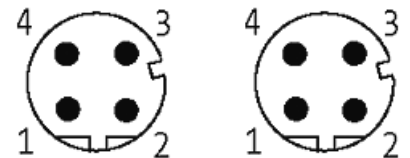
Commercial data

country of origin	DE
customs tariff number	85444290
EAN	4048879575003
eClass	27061801
Packaging unit	1

Sketch

Male

Male



Product may differ from Image