

M12 male 0° D-cod. / M8 male 0° A-cod. shielded

PUR 1x4xAWG26 shielded gn UL/CSA+drag ch. 20m

EtherCAT

Male straight – male straight

M12 – M8, 4-pole

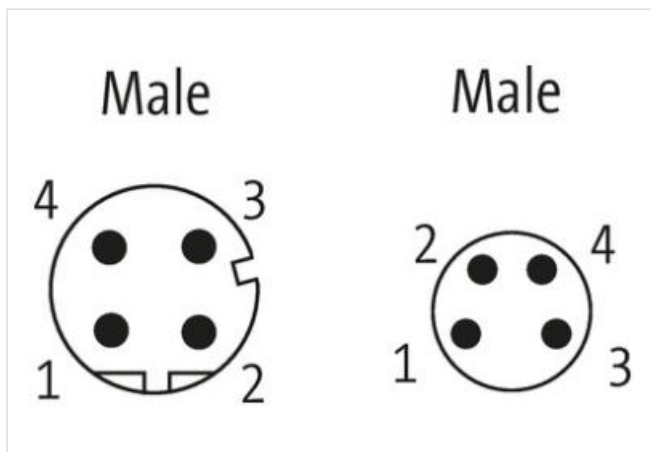
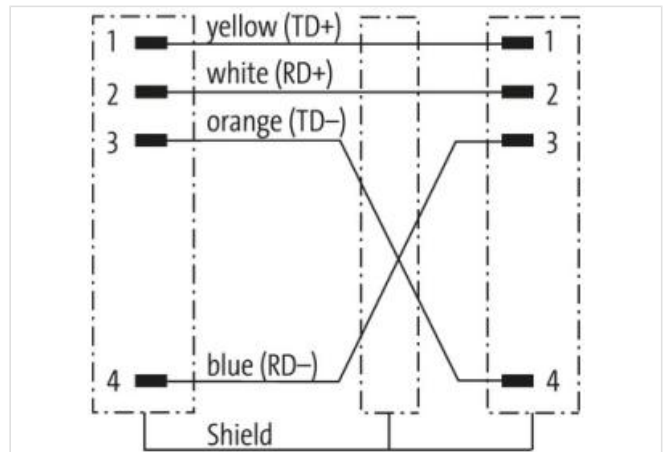
D-coded

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.

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



Product may differ from Image



Cable length 20 m

Side 1

Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	D
Material	PUR
Width across flats	SW13

Side 2

Tightening torque	0,4 Nm
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	8,5 mm
Coding	A
Material	PUR
Width across flats	SW9

Commercial data

ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879438582
Packaging unit	1

Electrical data | Supply

Operating voltage DC max.	60 V
Operating voltage DC max. (UL-listed)	30 V

Current operating per contact max. 4 A

Industrial communication

Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max. 100 MBit/s

Industrial communication | Ethernet functionality

duplex Full duplex

Device protection | Electrical

Degree of protection (EN IEC 60529) IP67
Additional condition protection degree inserted, screwed
Pollution Degree 3
Rated surge voltage 1,5 kV
Material group (IEC 60664-1) I

Mechanical data | Material data

Coating locking Nickeled
Locking material Zinc die-casting

Mechanical data | Mounting data

Mounting method inserted, screwed, Shaking protection

Environmental characteristics | Climatic

Operating temperature min. -25 °C
Operating temperature max. 85 °C
Additional condition temperature range depending on cable quality

Important installation notes

Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius **Attention:** Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

Conformity

Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)

Installation | Cable

wire arrangement white, orange, blue, yellow
Cable identification 791
Jacket Color green
Type of Certificate cURus
Amount stranding 1
Stranding 4 wires star-shaped twisted
Cable shielding (type) copper braid, tinned
Cable shielding (coverage) 85 %
Banding Fiber tape, Fleece, Foil
Filler yes
wire arrangement white, orange, blue, yellow
Cable weight 59,4 g/m
Material jacket PUR
Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free
Outer-diameter (jacket) 4,9 mm
Tolerance outer diameter (sheath) ± 5 %
Material wire insulation PP
Amount wires 4
Outer diameter insulation 1,04 mm
Outer diameter tolerance core insulation ± 5 %
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free
Amount strands (wire) 19
Diameter of single wires 26 AWG

Conductor crosssection (wire)	26 AWG
Material conductor wire	copper stranded wire, tinned
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	2,4 A
Characteristic impedance	100 Ω \pm 15 % @ 100 MHz
Electrical resistance line constant wire	140 Ω /km
AC withstand voltage (wire - wire)	0,7 kV @ 60 s
Electric capacitance	51000 pF/km
Power frequency withstand voltage (wire - jacket)	0,7 kV @ 60 s
AC withstand voltage (wire - shield)	0,7 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	7,5 x Outer diameter
Bending radius (dynamic)	12,5 x Outer diameter
Traversing distance (C-track)	5 m
Travel speed (C-track)	3 m/s