

M12 male 90° D-cod. / RJ45 0° shielded

TPE 2x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 25m

Ethernet CAT5

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

Male 90° – male straight

M12 – RJ45, 4-pole

D-coded

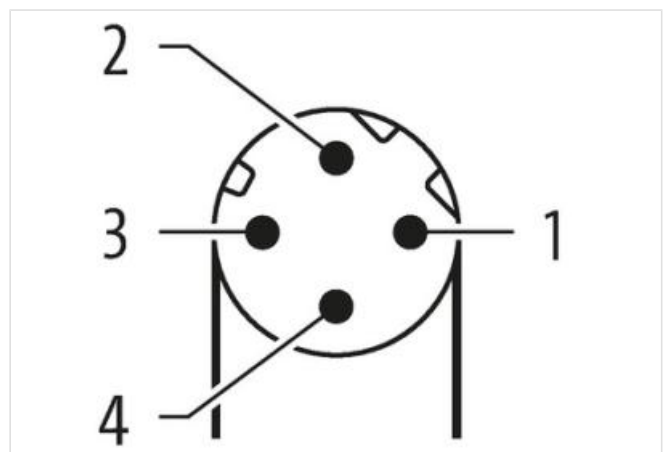
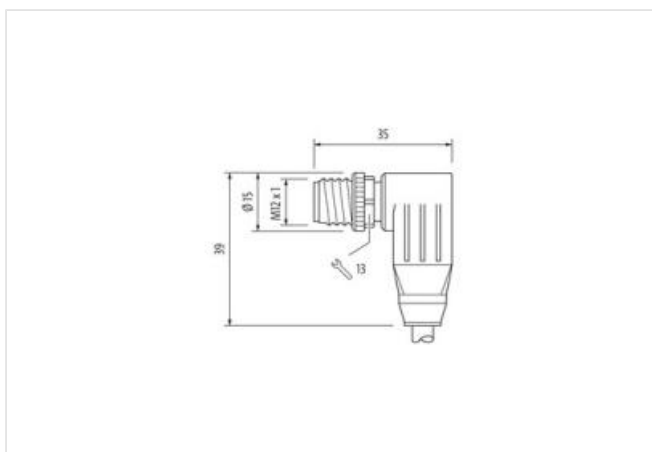
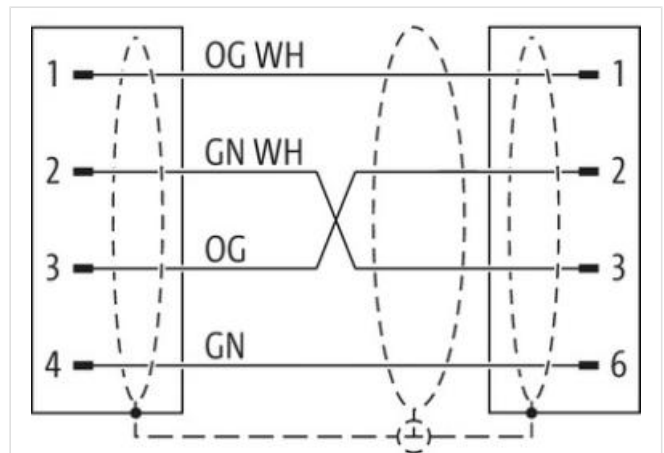
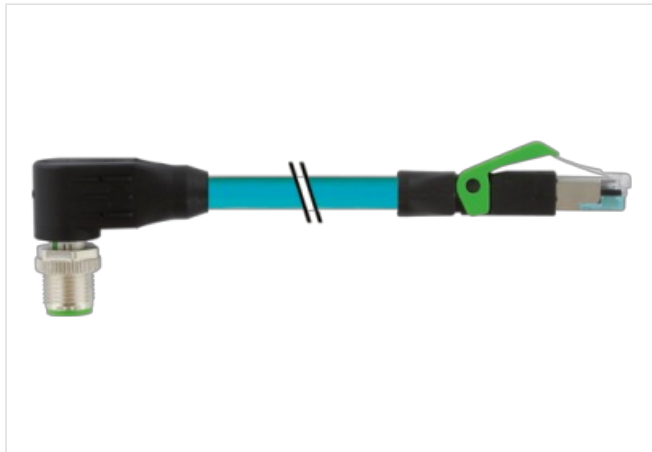
shielded

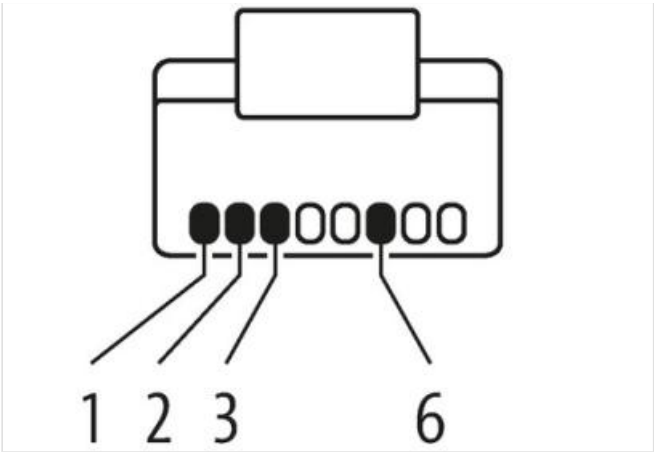
USA

without cable sleeves

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

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



Product may differ from Image



Cable length	25 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	angled
Coding	D
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Mounting method	pluggable
Family construction form	RJ45
Cable outlet	straight
No. of poles	4
Degree of protection (EN IEC 60529)	IP20
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	EC002599
customs tariff number	85444290
GTIN	4048879829458
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V

Current operating per contact max. 1,5 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

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

Mechanical data

Contour for corrugated hose without

Mechanical data | Material data

Locking screw coating Nickeled
 Locking material screw Zinc die-casting

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)

Installation | Cable

Cable identification S4U
 Jacket Color teal
 Type of Certificate cURus
 Amount stranding 2
 Stranding 2 wires twisted
 Stranding (type 2) 2 Stranded joints twisted
 Cable shielding (type) Metal fleece
 Cable shielding (coverage) 75 %
 Banding Fleece
 wire arrangement (orange-white, orange), (green-white, green)
 Cable weight 55,66 g/m
 Material jacket TPE
 Freedom from ingredients (jacket) lead-free, CFC-free
 Outer-diameter (jacket) 6,6 mm
 Tolerance outer diameter (sheath) ± 5 %
 Material wire insulation HDPE
 Amount wires 4
 Outer diameter insulation 1,25 mm
 Outer diameter tolerance core insulation ± 5 %
 Shore hardness wire insulation 65 ± 3 Shore D
 Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
 Amount strands (wire) 7
 Diameter of single wires 22 AWG
 Conductor crosssection (wire) 24 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	4,8 A
Electrical resistance line constant wire	59 Ω /km @ 20 °C
AC withstand voltage (wire - wire)	3 kV @ 60 s
Electrical capacity line constant (wire - wire)	49000 pF/km
Power frequency withstand voltage (wire - jacket)	3 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	7 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter