MURR ELEKTRONIK
stay connected

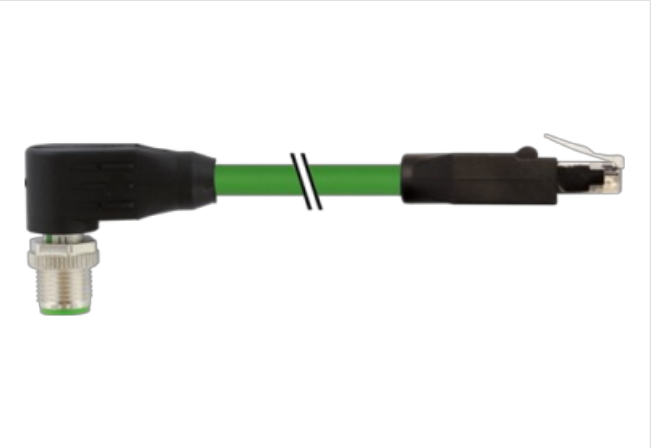
M12 male 90° D-cod. / RJ45 0° shielded

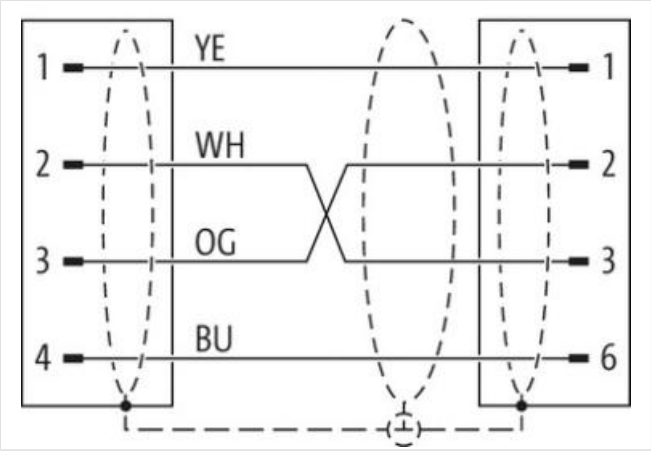
TPE 22AWG SF/UTP CAT5e gn UL/CSA. ITC/PLTC 20m

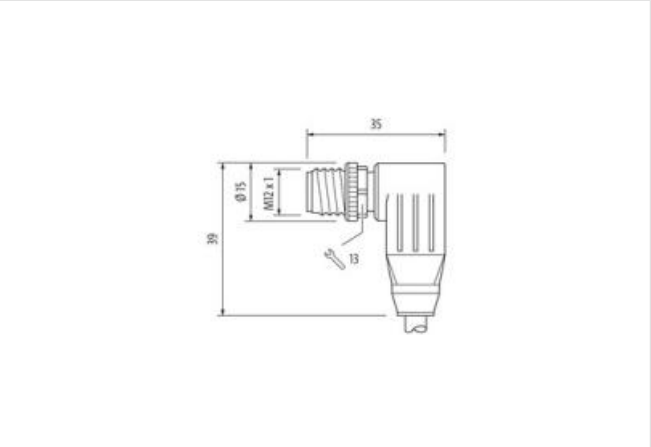
Ethernet CAT5
Plastic housings with good resistance against chemicals and oils.
Male 90° – male straight
M12 – RJ45, 4-pole
D-coded
shielded
USA
without cable sleeves
Protection cap
Further cable lengths on request.

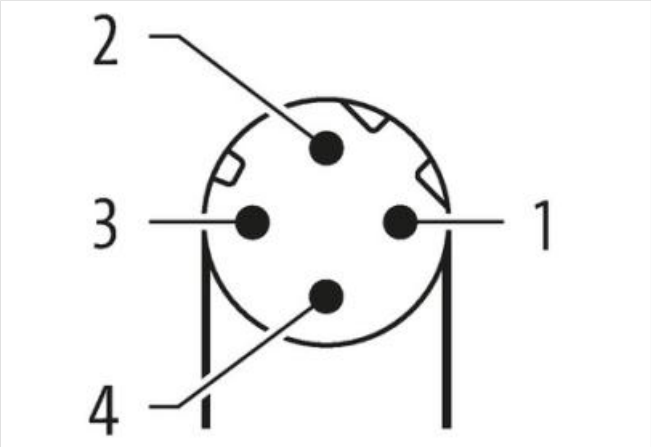
Link to Product

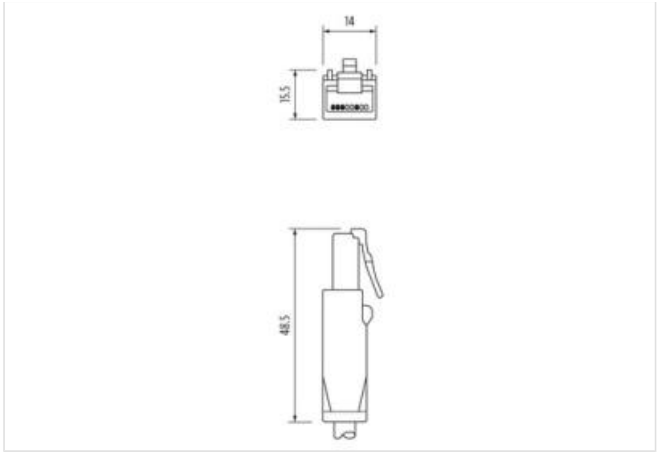
Illustration

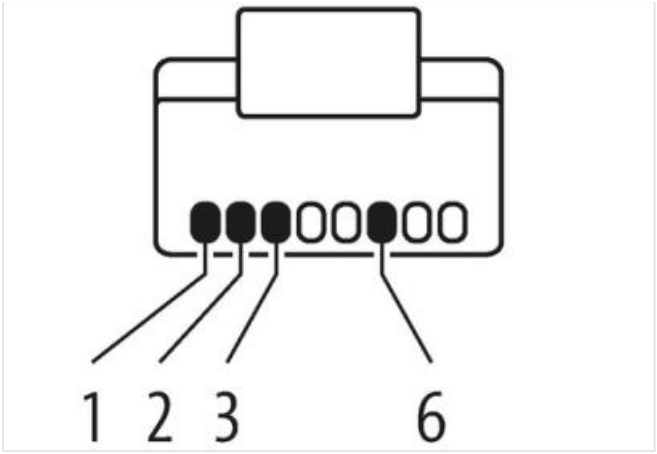












Product may differ from Image

Cable length	20 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	EC001855
customs tariff number	85444290
GTIN	4048879829182
Packaging unit	1
Electrical data | Supply	
Operating voltage DC max.	60 V

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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	S7V
Jacket Color	green
Type of Certificate	cURus
Amount stranding	2
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	2 Stranded joints twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	75 %
Banding	Foil
wire arrangement	(white, blue), (orange, yellow)
Cable weigth	74,8 g/m
Material jacket	TPE
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Outer-diameter (jacket)	7,87 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	HDPE
Amount wires	4
Outer diameter insulation	1,47 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	22 AWG
Conductor crosssection (wire)	22 AWG

Material conductor wire	copper stranded wire, tinned
Nominal voltage AC max.	600 V
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
UV resistance	DIN EN ISO 4892-2 A
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	Good, application-related testing | DIN EN 60811-404
Bending radius (fixed)	8 x Outer diameter
Travel speed (C-track)	35 Mio. @ 25 °C
No. of torsion cycles	5 Mio. 25 °C
Torsion stress	± 180 °/m