

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

TPE 2x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 3m

Art.No.: 7700-44761-S4U0300

Weight: 0.196

Country of origin: DE

Model designation: MSRAL0-DC-TS4U_3.0-ZS

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

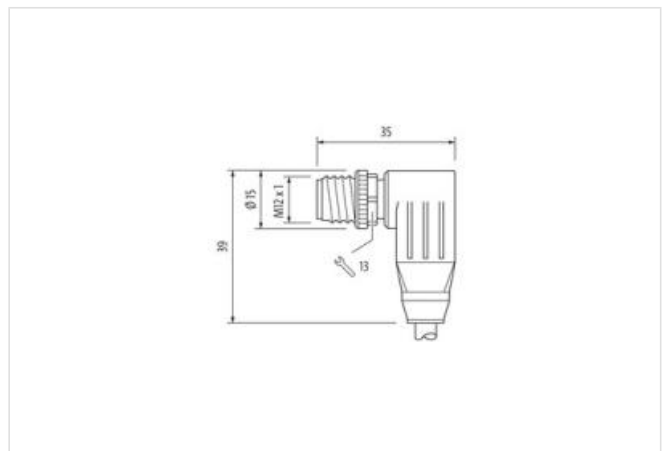
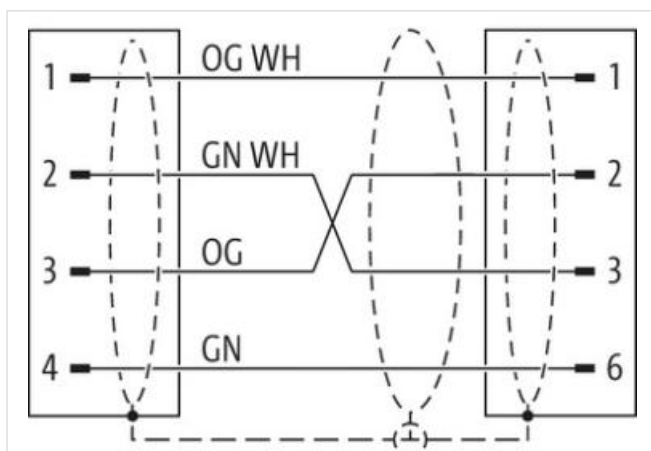
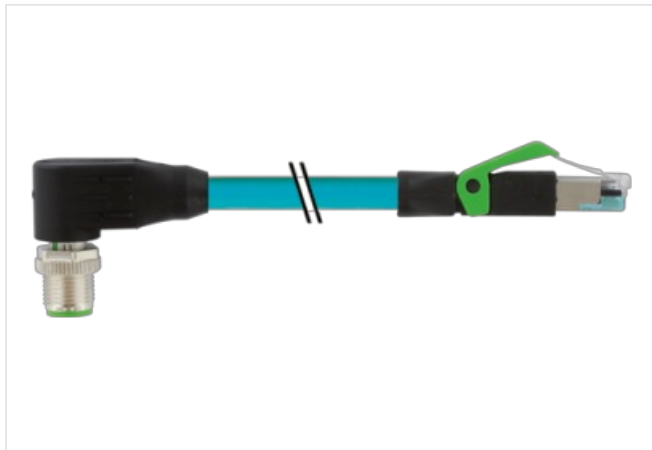
shielded

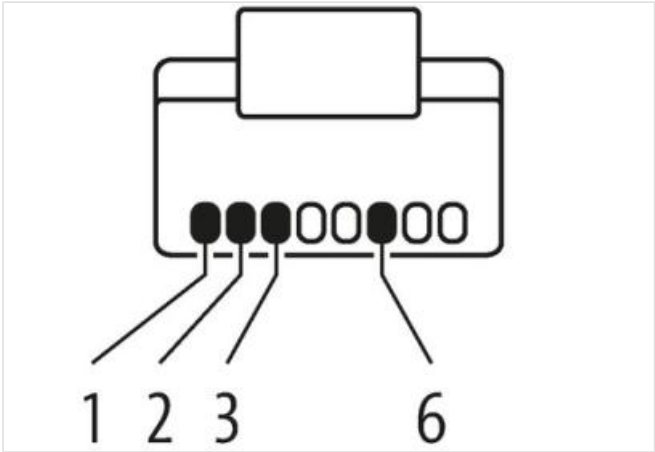
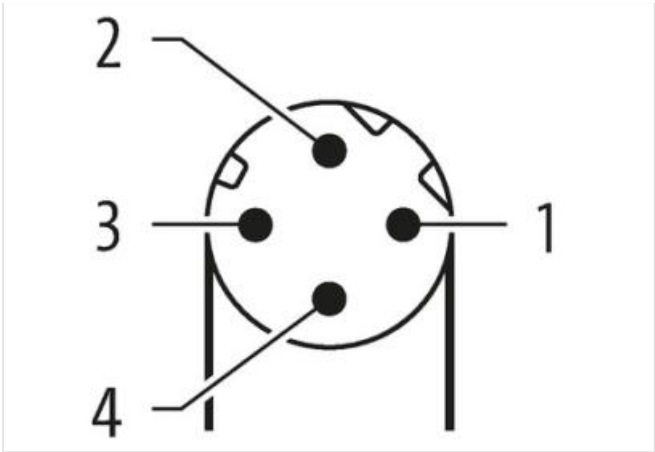
USA

without cable sleeves

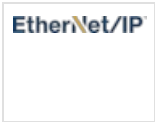
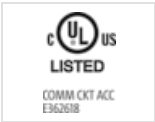
Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

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



Product may differ from Image



Cable length 3 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
customs tariff number	85444290
EAN	4048879651042
EAN	4048879651042
Packaging unit	1
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	
wire arrangement	(orange-white, orange), (green-white, green)
Cable identification	S4U
Function cable	Data
Jacket Color	teal
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	(orange-white, orange), (green-white, green)
Cable length max.	83 m
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	1,22 mm
Outer diameter tolerance core insulation	± 5 %
Ingredient freeness wire insulation	lead-free, CFC-free
Amount strands (wire)	7
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Material conductor wire	copper stranded wire, tinned
Nominal voltage AC max.	600 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	2,4 A
Characteristic impedance	100 Ω @ 100 MHz
Electrical resistance line constant wire	76,4 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	1,5 kV @ 2 s
Power frequency withstand voltage (wire - jacket)	1,5 kV @ 2 s
Loop resistance	280 Ω/km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	80 °C
Storage temperature min.	-40 °C
Storage temperature max.	80 °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 (fixed)	8 x Outer diameter
Bending radius (dynamic)	8 x Outer diameter
No. of bending cycles (C-track)	35 Mio.
Traversing distance (C-track)	0,6 m
Travel speed (C-track)	1,2 m/s
No. of torsion cycles	3 Mio.
Torsion stress	± 270 °/m
Torsion speed	60 cycles/min