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

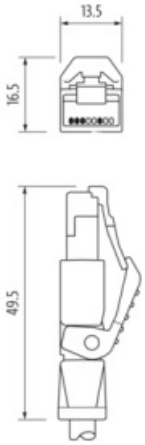
TPE 2x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 1.5m

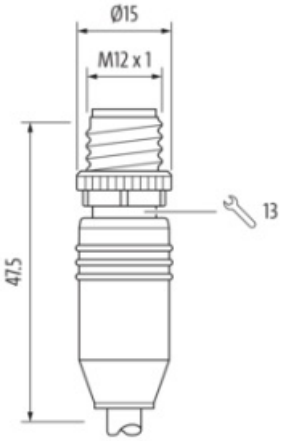
Art.No.: 7700-44711-S4U0150
Weight: 0.100 kg
Country of origin: US
Model designation: MSRAL0-DA-TS4U_1.5-ZS

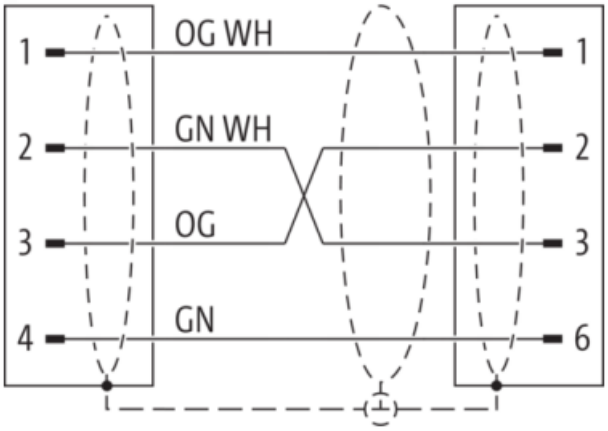
Ethernet CAT5
Male straight – male straight
M12 – RJ45, 4-pole
D-coded
Shielded
8-pole partly used
USA
without cable sleeves
Cable is approved for 600 V
Further cable lengths on request.
maximum length at channel transmission corresponds to 70 m

Link to Product

Illustration







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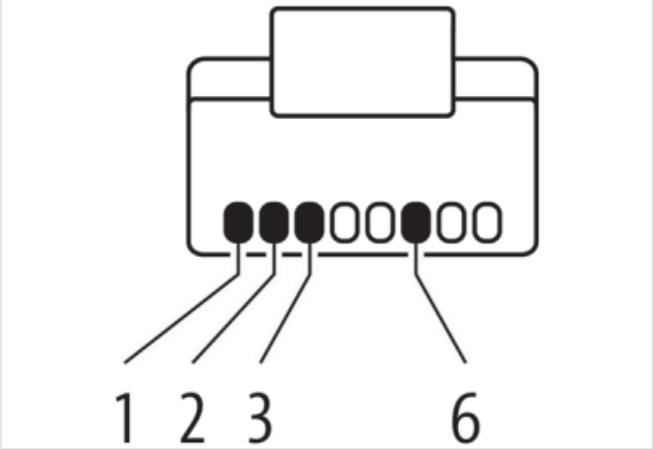

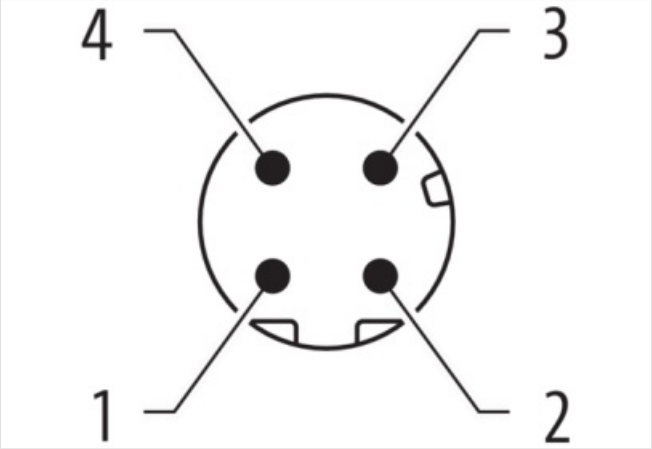

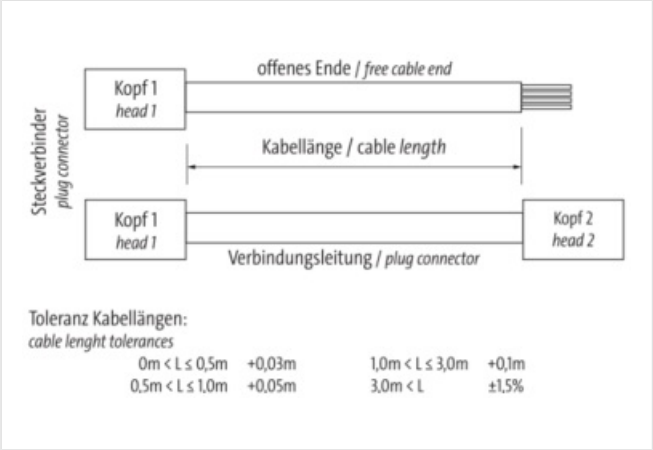

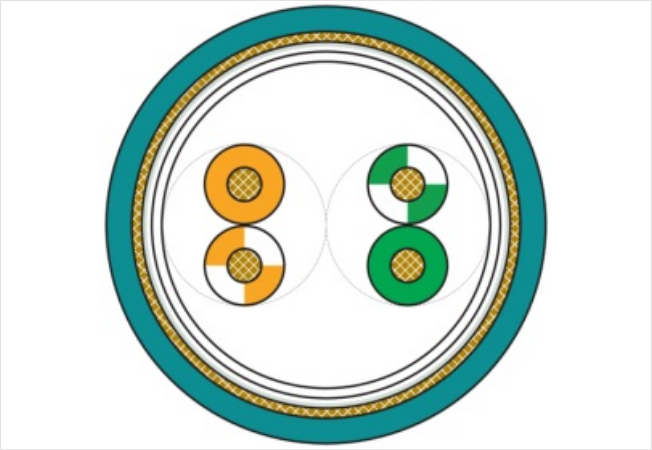

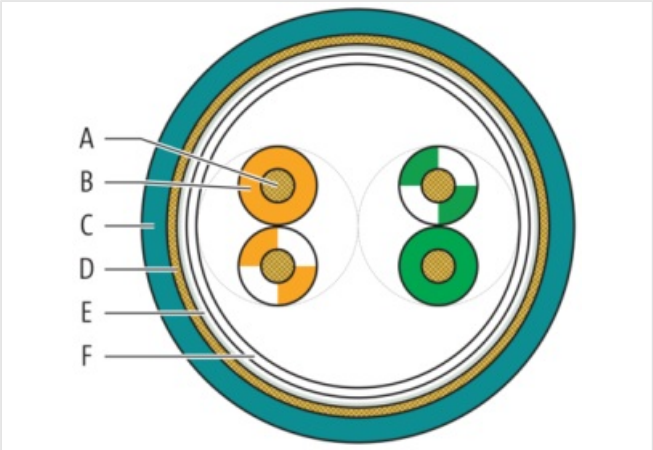

Product may differ from Image

Header	
Material short text	MSRAL0-DA-TS4U_1.5-ZS
Cable length	1,50 m

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MURR ELEKTRONIK
stay connected

Side 1	
Family construction form	M12
No. of poles	4
Coding	D
Mounting method	inserted, screwed
Threaded hole	M12 x 1
Width across flats	SW13
Cable outlet	straight
Degree of protection (EN IEC 60529)	IP67
Side 2	
Family construction form	RJ45
No. of poles	4
Mounting method	pluggable
Cable outlet	straight
Degree of protection (EN IEC 60529)	IP20
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7700-44711-S4U0150
GTIN	4048879619691
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-7.1	27060307
ECLASS-8.0	27060307
ECLASS-8.1	27060307
ECLASS-9.0	27060307
ECLASS-9.1	27060307
ECLASS-10.0.1	27060307
ECLASS-10.1	27060307
ECLASS-11.0	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ECLASS-13.0	27060307
ECLASS-14.0	27060307
ETIM-5.0	EC002599
ETIM-6.0	EC002599
ETIM-7.0	EC002599
ETIM-8.0	EC002599
customs tariff number	85444290
EAN	4048879619691
Packaging unit	1
Electrical data | Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial Communication	
Data transmission rate max.	100 Mbit/s
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Industrial communication | Ethernet functionality	
duplex	Full duplex
Device protection | Electrical	
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	I

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Environmental characteristics | Climatic	
Operating temperature min.	-30 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
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.
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Conformity	
Product standard	EN IEC 61076-2-101 (M12)
Installation | Cable	
Cable identification	S4U
Function cable	Data
Amount stranding	2
Stranding	2 wires stranded
Amount stranding (type 2)	1
Stranding (type 2)	2 stranding combinations stranded
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	75 %
Banding	Foil
Cable weigth	50,6 g/m
Material wire insulation	HDPE
Amount wires	4
Outer diameter insulation	1,22 mm
Outer diameter tolerance core insulation	± 0,05 mm
Ingredient freeness wire insulation	CFC-free, lead-free
Amount strands (wire)	7
Diameter of single wires	32 AWG
Conductor crosssection (wire)	24 AWG
Material conductor wire	copper stranded wire, tinned
Outer-diameter (jacket)	6,6 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	TPE
Shore hardness jacket	80 ± 5 Shore A
Freedom from ingredients (jacket)	CFC-free, lead-free
Cable length max.	83 m
Conductor resistance (wire)	93.8 Ω/km @ 20 °C
Nominal voltage max.	600 V
Loop resistance	280 Ω/km
Withstand voltage (wire - wire)	1.5 kV @ 2 s
Withstand voltage (wire - jacket)	1.5 kV @ 2 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity max. (wire)	2,4 A
Characteristic impedance	100 Ω
Operating temperature min. (static)	-40 °C
Operating temperature max. (static)	80 °C
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	80 °C
Storage temperature min.	-40 °C
Storage temperature max.	80 °C
Bending radius (fixed)	8 × Outer diameter
Bending radius (dynamic)	8 × Outer diameter

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No. of bending cycles (C-track)	35 Mio.
Traversing distance (C-track)	0.6 m
Travel speed (C-track)	1.2 m/s
Acceleration (C-track)	2.4 m/s²
No. of torsion cycles	3 Mio.
Torsion stress	± 270 °/m
Torsion speed	60 cycles/min

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