

M12 fem. recept. D-cod. rear/RJ45 male 0° shielded

TPE 2x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 1m

Art.No.: 7700-44851-S4U0100

Weight: 0.087 kg

Country of origin: DE

Model designation: MSDBFH-RA-TS4U_1.0-ZS

Ethernet CAT5

Flange female straight – male straight

M12 – RJ45, 4-pole

D-coded

shielded

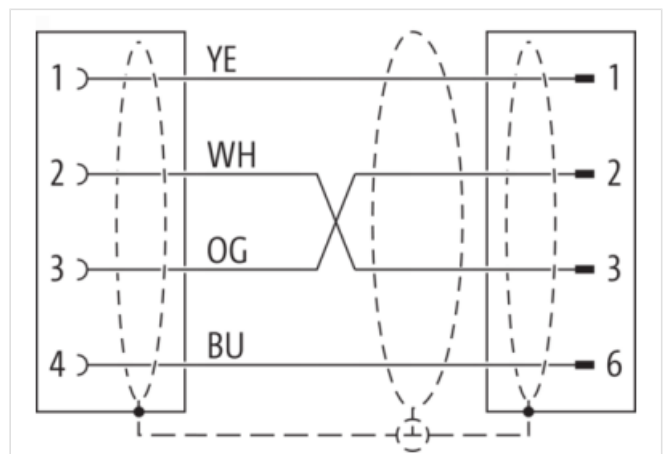
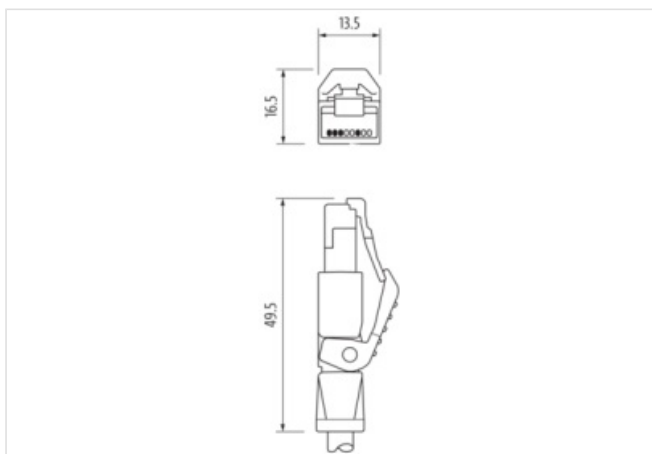
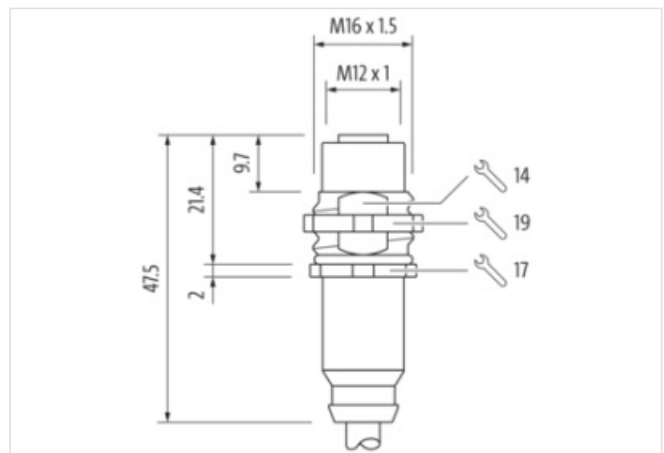
8-pole partly used

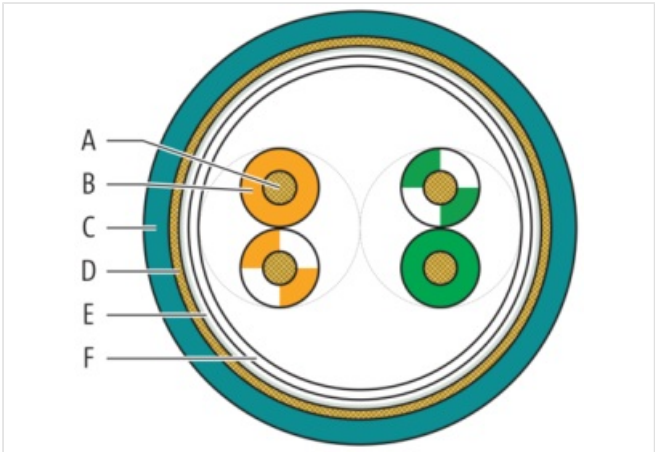
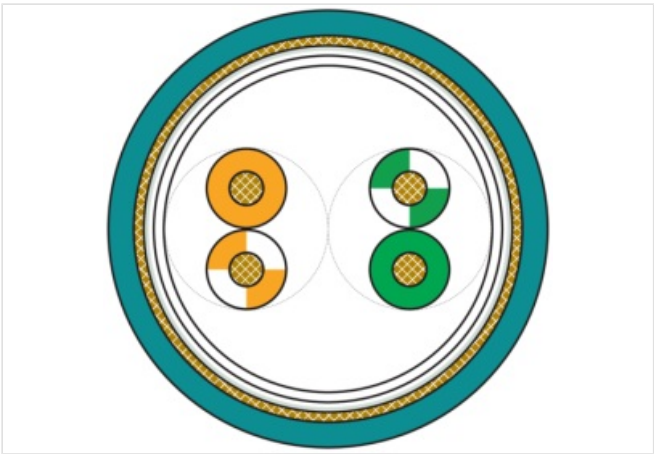
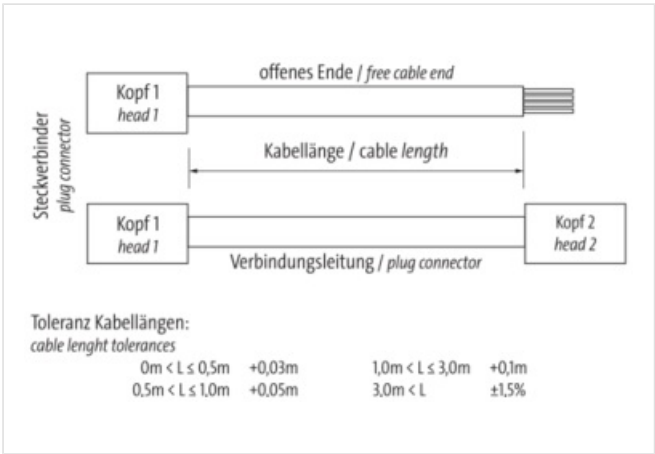
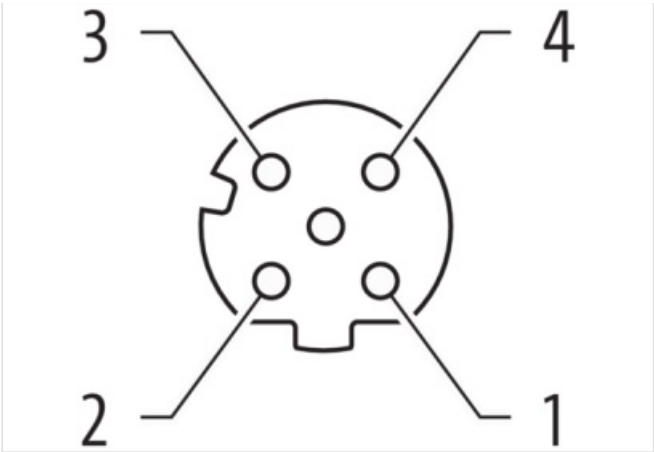
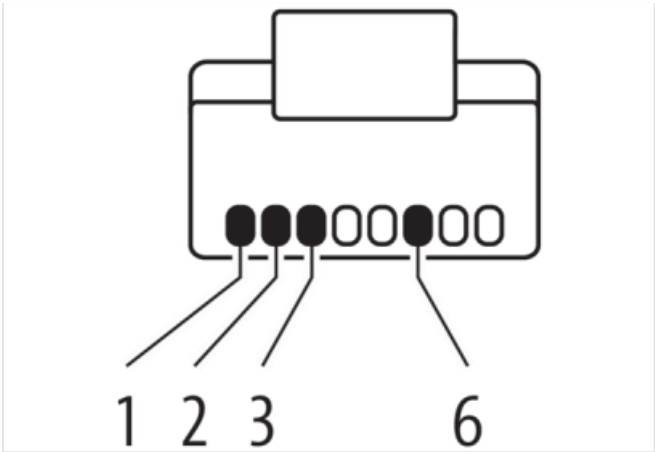
Rear mounting

USA

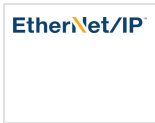
Cable is approved for 600 V

Further cable lengths on request.

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



Product may differ from Image



Header

Material short text

MSDBFH-RA-TS4U_1.0-ZS

Cable length

1,00 m

Side 1

Family construction form	M12
No. of poles	4
Coding	D
suitable for corrugated tube (internal Ø)	10 mm
Degree of protection (EN IEC 60529)	IP67

Side 2

Family construction form	RJ45
No. of poles	4
Mounting method	pluggable
Degree of protection (EN IEC 60529)	IP20

Commercial data

URL Webshop	https://shop.murrelektronik.com/7700-44851-S4U0100
GTIN	4048879619783
ECLASS-6.0	27279220
ECLASS-6.1	27279220
ECLASS-7.0	27440103
ECLASS-7.1	27440103
ECLASS-8.0	27440103
ECLASS-8.1	27440103
ECLASS-9.0	27440103
ECLASS-9.1	27440109
ECLASS-10.0.1	27440109
ECLASS-10.1	27440103
ECLASS-11.0	27440109
ECLASS-11.1	27440103
ECLASS-12.0	27440103
ECLASS-13.0	27440109
ECLASS-14.0	27440109
ETIM-5.0	EC002599
ETIM-6.0	EC002599
ETIM-7.0	EC002599
ETIM-8.0	EC002599
customs tariff number	85444290
EAN	4048879619783
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
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Device protection | Electrical

Protection NEMA	6P, 4, 3
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	I

Mechanical data | Material data

Locking material	Brass
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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 crossection (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
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/s ²
No. of torsion cycles	3 Mio.
Torsion stress	± 270 °/m
Torsion speed	60 cycles/min