

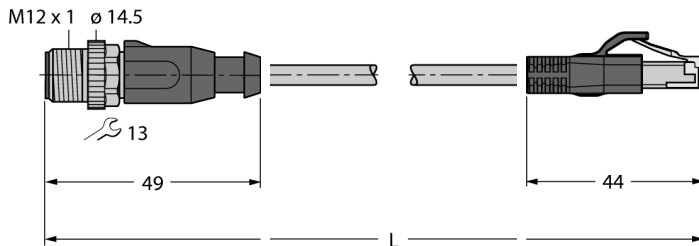
Industrial Ethernet/PROFINET Cable

PUR Cable Jacket

RSSD-RJ45S-4416-6.5M



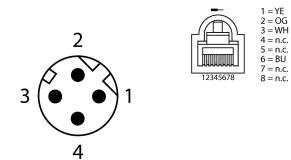
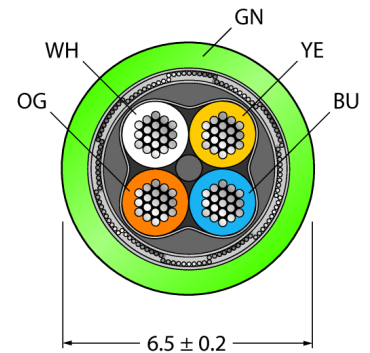
- M12 male, straight, D-coded
- RJ45 male connector, straight, 4-pin
- Ethernet cable: 4-pin, AWG 22
- CAT 5E
- Jacket material: PUR
- Jacket color: green
- Shield: Aluminum foil overlapped, tinned copper wire
- Jacket diameter: 6.5 mm
- Suitable for drag chain use
- Oil resistant acc. to IEC 60811-2-1 and UL13
- Free from halogen acc. to IEC 60754
- Flame-retardant acc. to IEC 60332-1-2 and UL2556 VW1
- RoHS-compliant
- PNO-compliant
- Cable length: 6.5 m



Type designation	RSSD-RJ45S-4416-6.5M
Ident no.	100003991

Connector A	Connectors, M12 × 1, Straight, D-coded
Number of pins	4
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, PA, UL 94, Black
Connector body	Plastic, TPU, UL 94, Black
Coupling nut/screw	Brass, GD-Zn, Nickel-plated
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3/2
Protection class	IP67, Only in screwed condition
Tightening torque (range)	0.4 ... 0.6 Nm (observe max. torque of mating connector!)

Cable Cross-section



Connector B	Male, RJ45, Straight
Number of pins	4 pins
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, PA, UL 94
Connector body	Plastic, TPU, UL 94
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3/2
Protection class	IP20

Cable	
Cable diameter	6.5 ± 0.20mm
Cable length	6.5 m
Cable jacket	PUR, Green
Shielding	Aluminum foil, tinned copper wire
Core insulation	PE
Core colors	WH, YE, BU, OG
Core cross-section	4x0.32mm ²
Arrangement of strands	7x0.25mm

Electrical properties at +20 °C	
Rated voltage	48 V
Test voltage	2000 V
Current	3 A
DC resistance (loop)	120 Ω/km
Nom. impedance	100 (1MHZ) Ω
Nom. capacitance	50 pF/m

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Mechanical and chemical properties

Bending radius (stationary installation)	$\geq 5 \times \emptyset$
Bending radius (flexible use)	$\geq 8 \times \emptyset$
Bending cycles	≥ 3 million
Torsional stress	± 180 °/m
Torsion cycles	$\leq 100,000$ Cycles
Ambient temperature	
Stationary	-50...+70°C
In motion	-20...+60°C

Other Features

Qualified for drag chain use	yes
Halogen-free	yes
PVC-free	yes
UV resistance	yes
Oil-resistant	yes
Flame-retardant	yes
Approvals	cULus

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Accessories

Type code	Ident no.	Description	
TORQUE-WRENCH-SET-BUS	6936171	Torque wrench set; grip with adjustable torque 0.4 to 1.0 Nm; torque wrench set, fork wrench for M8 (SW9), fork wrench for M12 (SW13), fork wrench for M12 (SW14)	