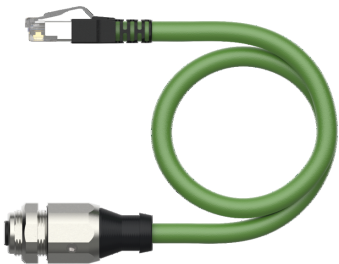
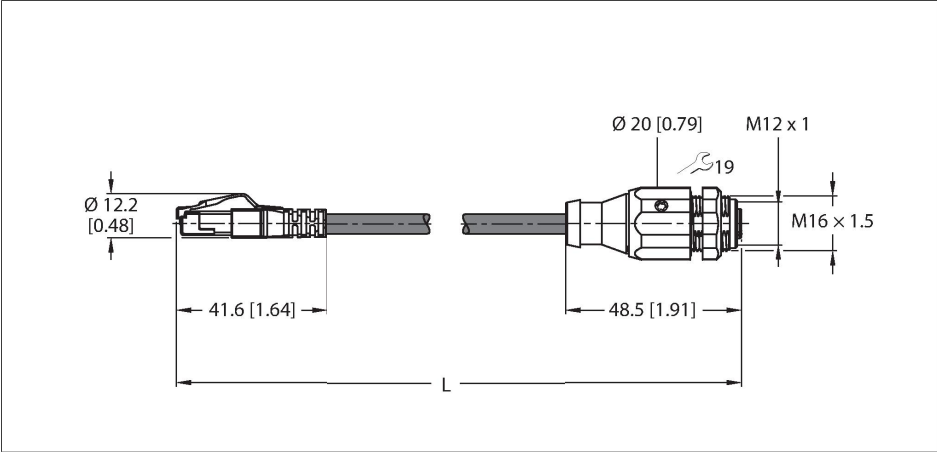


RJ45S-FKSDD-4422-0.5M

Industrial Ethernet Cable – Connection Cable



Technical data

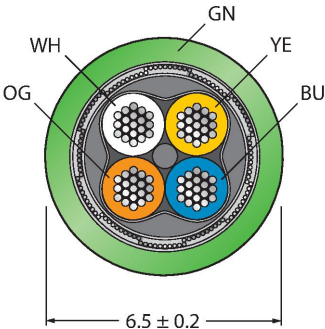
Type	RJ45S-FKSDD-4422-0.5M
ID	6636967
Connector A	Male, RJ45, Straight
Number of pins	4
Contacts	Metal, Gold-plated
Contact carriers	Plastic, Transparent
Connector body	Plastic, TPU, Black
Mechanical lifespan	> 100 Mating cycles
Protection class	IP20
Connector B	Female, M12 × 1
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut/retaining screw	Brass, CuZn, Nickel-plated
Seal	Plastic, FPM/FKM
Tightening torque	0.8 ... 1 Nm
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, Only when screwed together
Cable	
Network protocol	Ethernet
Cable diameter	Ø 6.5 mm ±0.20
Cable jacket	PUR, Green
Shielding	Aluminum foil, tinned copper wire
Core insulation	TPE-O
Core cross-section	4 x 0.32 mm²
Arrangement of strands	7 x 0.25 mm

Features



- Ethernet cable: 4-pin, AWG 22
- CAT 5E
- Jacket material: PUR
- Jacket color: green
- Shielding: overlapping aluminum foil, tinned copper wire
- Jacket diameter: 6.5 mm
- Suitable for drag chain use
- Oil resistant acc. to IEC 60811-2-1 and UL13
- Halogen free acc. to IEC 60754
- Flame retardant acc. to IEC 60332-1-2 and UL FT2, UN/ECE R118
- RoHS compliant
- PNO compliant
- UL
- RJ45 male connector, straight, 4-pin

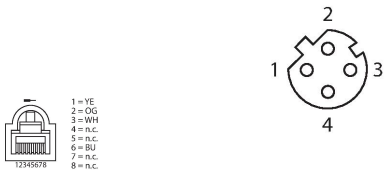
Cable Cross-Section



Contact assignment

Technical data

Core colors	WH, YE, BU, OG
Electrical properties at +20 °C	
Rated voltage	42 V
Test voltage	2000 V
Current	1.5 A
DC resistance (loop)	120 Ω/km
Nom. impedance	100 Ω (1MHZ)
Nom. capacitance	50 pF/m
Mechanical and chemical properties	
Bending radius (stationary installation)	≥ 5 x Ø
Bending radius (flexible use)	≥ 15 x Ø
Bending cycles	≥ 5 million
Torsional stress	± 180 °/m
Torsion cycles	Max. 100,000
Ambient temperature (fixed)	-40...+80 °C
Ambient temperature (mobile)	-30...+80 °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	UL Listed



Circuit Diagram

