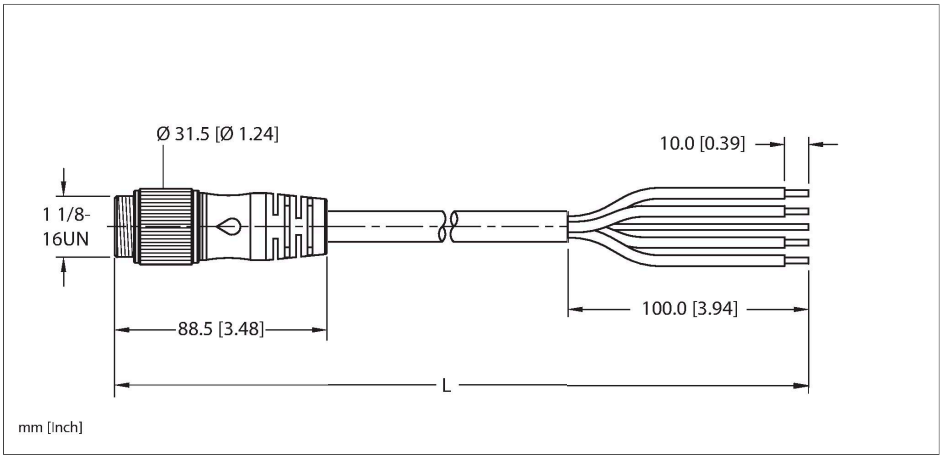
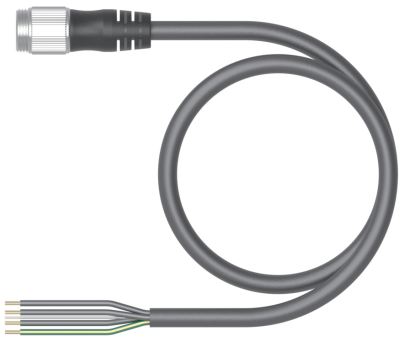
RSMCS 42-2M/S3539/VFD
Power Cordset – Connection Cable





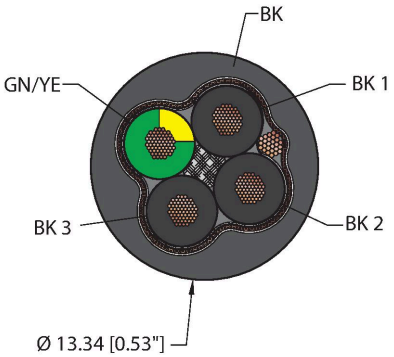
Technische Daten

Type	RSMCS 42-2M/S3539/VFD
ID	UX17821
Special version	S3539 = TPE Cable Jacket Material, TC-ER Cable, Special Conductor Colors VFD = Optimized for use with variable frequency drive
Connector A	Male, 1 1/8"-16 UN, Straight
Number of contacts	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, PVC, Black
Connector body	Plastic, PVC, Black
Coupling nut	Brass, CuZn, Nickel-plated
Tightening torque	3 Nm
Mechanical life	> 100 Mating cycles
Protection class (When coupled)	IP67, IP68, IP69, IP69K
	NEMA: 1, 3, 4, 6P, 12
Cable data	
Total number of conductors	4
Cable diameter	Ø 13.34 mm
Length (L)	2 m, (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	TPE, Black
Shielding	Aluminum/polyester (OUT), 34 AWG, TC (Tinned Copper), 85% coverage, 12 AWG, TC (Tinned Copper)
Conductor diameter	0.161 "

Features

- 1 1/8-16UN, minifast, Male, Straight, 4-pin
- Power Tray/Exposed Run/Direct Burial Cable
- Black TPE jacket, shielded, 4X12 AWG
- Sunlight Resistant
- Oil Resistant
- Flame Ratings: UL 1685 FT4, IEEE 1202 FT4, CSA FT1, CSA FT4, IEC 60332-3-22

Cable cross section



Contact assignment

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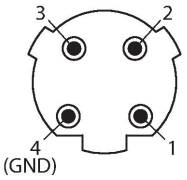
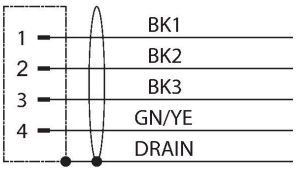
Technische Daten

Conductor material	TC (tinned copper)
Conductor insulation material	XLPE
Conductor size	4 x 12 AWG [Similar to 4.00 mm²]
Number of strands x O.D.	65 x 30 AWG
Conductor colors	BK1, BK2, BK3, GN/YE
Electrical properties at +20 °C	
Rated voltage	600 VAC
Current	25 A
Mechanical and chemical properties	
Bending radius (static)	≥ 5 x Ø
Bending radius (dynamic)	≥ 15 x Ø
Ambient temperature range (static)	-40…+90 °C
Ambient temperature range (dynamic)	-40…+90 °C
Temperature range (installation)	-20…+90 °C
Approval	
Approvals	UL 2238 CE RoHS
Note	
	- CAUTION: RISK OF ELECTRICAL SHOCK. DO NOT DISCONNENT UNDER LOAD.
	- Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius.
	- We reserve the right to make technical alterations without prior notice.

Connector A



Circuit Diagram



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