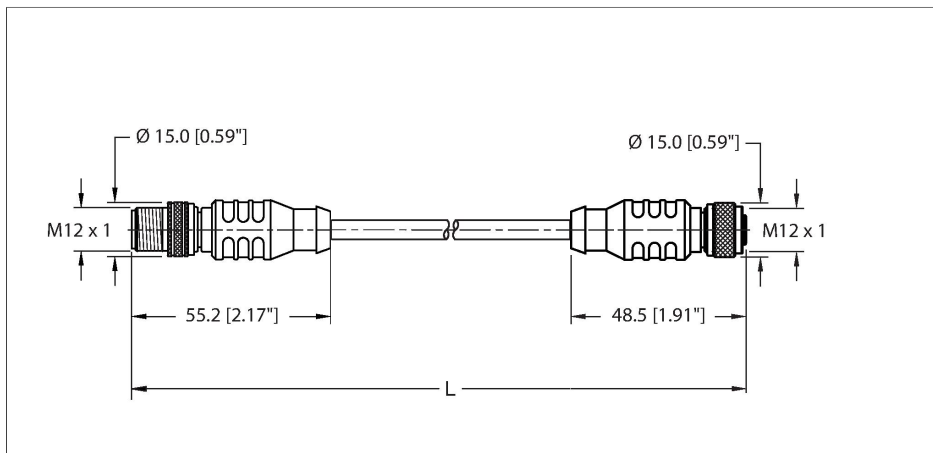


RSSW RKSX 455-xM

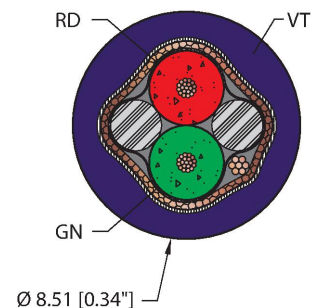
Cable for PROFIBUS-DP – Extension Cable



Features

- UL US CE UK CA
- IP67 IP68 IP69/IP69K
- DEGREE OF PROTECTION
- DEGREE OF PROTECTION
- M12, Male, Straight, 5-pin, B-Code
- B-code (reverse key)
- M12, Female, Straight, 8-pin, B-Code
- Fieldbus Technology Cable
- fieldbus type: PROFIBUS-DP, PVC jacket, Violet, shielded, 2X22 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Flame Ratings: UL 1685 FT4, UL1061, CSA FT4

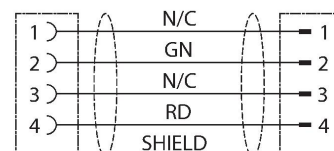
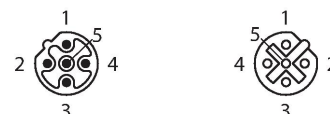
Cable cross section



Contact assignment

Connector A

Connector B



Technical data

Type	RSSW RKSX 455-xM
ID	777005681
Connector A	Male, M12 × 1, Straight, B-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	5
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut	Brass, CuZn, Nickel-plated
Tightening torque (range)	0.8 ... 1 Nm (note max. torque of mating connector!)
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67
Connector B	Female, M12 × 1, Straight, B-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	5
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut	Brass, CuZn, Nickel-plated
Seal	O-ring, Plastic, FKM/FPM
Tightening torque	0.4 ... 1.8 Nm (note max. torque of mating connector!)
Mechanical life	> 100 Mating cycles

Technical data

Pollution degree	3
Protection class (When coupled)	IP67
Cable data	
Cable ID	RF50672
Fieldbus	PROFIBUS-DP
Total number of conductors	2
Cable diameter	Ø 8.51 mm
Cable jacket	PVC, Violet
Shielding	Aluminum/polyester (OUT), 36 AWG, TC (Tinned Copper), 65% coverage, 22 AWG TC (Tinned Copper)
Conductor diameter	0.11 "
Conductor material	TC (tinned copper)
Conductor insulation material	Foamed HDPE
Conductor size	2 x 22 AWG [Similar to 0.34 mm²]
Number of strands x O.D.	19 x 0.0058 "
Conductor colors	RD, GN
Electrical properties at +20 °C	
Rated voltage	250 V
Rated voltage	250 V _{AC} /300 V _{DC}
Current	4 A
Mechanical and chemical properties	
Bending radius (static)	≥ 5 x Ø
Bending radius (dynamic)	≥ 15 x Ø
UL cold bend rating	-40 °C
Ambient temperature range (static)	-40...+80 °C
Ambient temperature range (dynamic)	5...+80 °C
Temperature range (installation)	-10...+80 °C
Approval	
Approvals	CSA C22.2 No. 182.3 CE RoHS UL Listed UL 2238
Note	
- 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.	

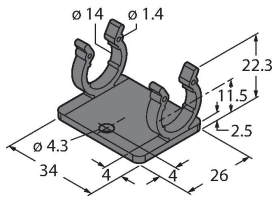
Technical data

- We reserve the right to make technical alterations without prior notice.

Accessories

M12-CORDSETS-MOUNTING-CLIP-(10/BAG)

100016882



10 Pack of black mounting clips and M4x8mm mounting screws, used to secure cable to cable connection points.