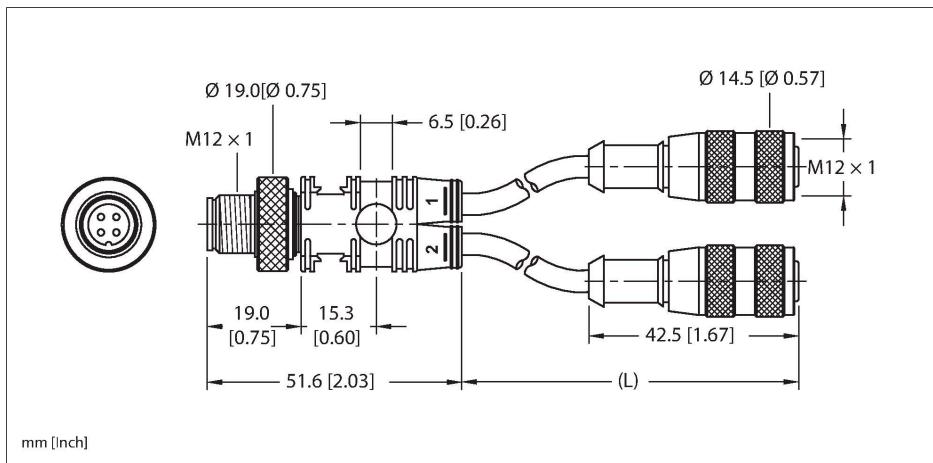


VBRS 4.4-2RK 4T-2/2

2-Way Splitter – M12 Splitter

3-Wire



Technical data

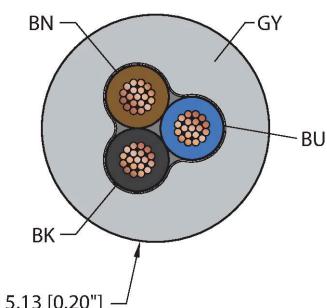
Type	VBRS 4.4-2RK 4T-2/2
ID	U0117-16
Distributed I/O	Splitter, 2 -port
Housing	Plastic, TPU, Yellow
Connector A	Male, M12 × 1
Number of contacts	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU
Coupling nut	Brass, CuZn, Nickel-plated
Tightening 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, When coupled
Connector B	Female, M12 × 1, Straight
Number of contacts	3
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Yellow
Connector body	Plastic, TPU
Coupling nut	Brass, CuZn, Nickel-plated
Seal	O-ring, Plastic, FKM/FPM

Features



- Cable on branches
- M12, Male, Straight, 4-pin
- 2x M12, Female, Straight, 3-pin
- Instrumentation Tray Cable
- Gray PVC jacket, 3X22 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, UL1061, CSA FT4
- Flexlife® and C-Track Approved

Cable cross section



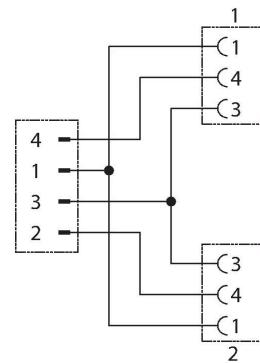
Contact assignment

Technical data

	Connector A	Connector B
Tightening torque	0.8 ... 1 Nm (note max. torque of mating connector!)	
Mechanical life	> 100 Mating cycles	
Pollution degree	3	
Protection class (When coupled)	IP67, Only when plugged	
	NEMA: 1, 3, 4, 6P	
Cable data		
Cable ID	RF52081	
Total number of conductors	3	
Cable diameter	Ø 5.13 mm	
Length (L)	2 m, 2 m	
Cable jacket	PVC, Gray	
Conductor diameter	0.054 "	
Conductor material	TC (tinned copper)	
Conductor insulation material	PVC	
Conductor size	3 x 22 AWG [Similar to 0.34 mm ²]	
Number of strands x O.D.	19 x 0.0058 "	
Conductor colors	BN, BU, BK	
Electrical properties at +20 °C		
Rated voltage	250 V	
Current	4 A	
Insulation resistance	≥ 10 ⁸ Ω	
forward resistance	≤ 5 mΩ	
Mechanical and chemical properties		
Bending radius (static)	≥ 5 x Ø	
Bending radius (dynamic)	≥ 10 x Ø	
UL cold bend rating	-40 °C	
Flex rating 20 x Ø	10 million cycles	
	*When properly installed @ 20°C, 50%RH, and a cycle speed of ≤0.5 cycles per second.	
C-Track	Yes	
Ambient temperature range (static)	-40...+105 °C	
Ambient temperature range (dynamic)	5...+105 °C	
Temperature range (installation)	-10...+105 °C	
Approval		
Approvals	RoHS	



Circuit Diagram



Technical data

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.

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