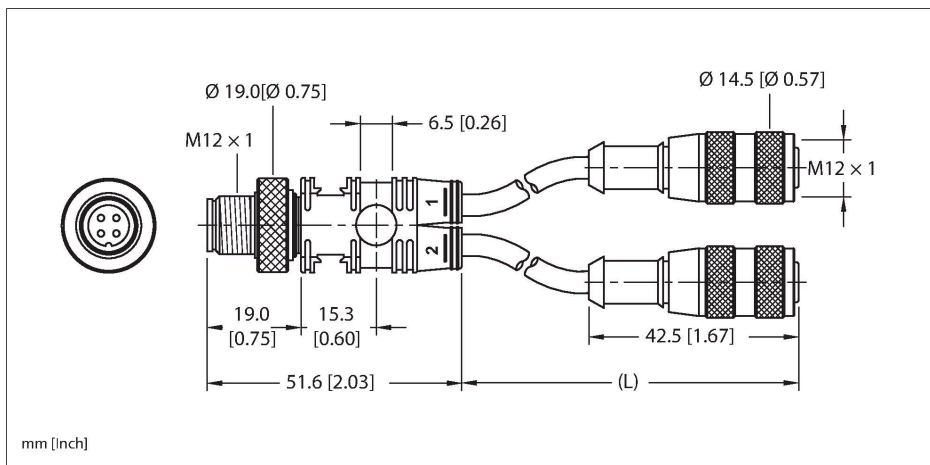


VBRS 4.4-2RK 4T-2/2

2-Way Splitter – M12 Splitter

3-Wire

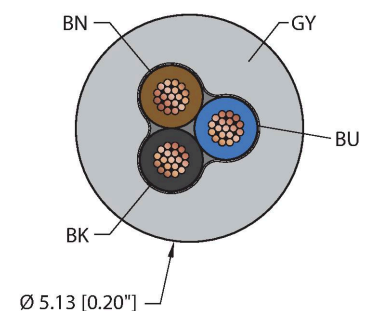


Technical data



- 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

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

Technical data

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

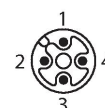
Cable data	
Cable ID	RF52081
Total number of conductors	3
Cable diameter	Ø 5.13 mm
Length (L)	2 m, 2 m
Cable jacket	PVC, Gray
Conductor diameter	0.054 "
Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	3 x 22 AWG [Similar to 0.34 mm²]
Number of strands x O.D.	19 x 0.0058 "
Conductor colors	BN, BU, BK

Electrical properties at +20 °C	
Rated voltage	250 V
Current	4 A
Insulation resistance	$\geq 10^8 \Omega$
forward resistance	$\leq 5 m\Omega$

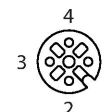
Mechanical and chemical properties	
Bending radius (static)	$\geq 5 \times \varnothing$
Bending radius (dynamic)	$\geq 10 \times \varnothing$
UL cold bend rating	-40 °C
Flex rating 20 x Ø	10 million cycles
	*When properly installed @ 20°C, 50%RH, and a cycle speed of ≤0.5 cycles per second.
C-Track	Yes
Ambient temperature range (static)	-40...+105 °C
Ambient temperature range (dynamic)	5...+105 °C
Temperature range (installation)	-10...+105 °C

Approval	
Approvals	RoHS

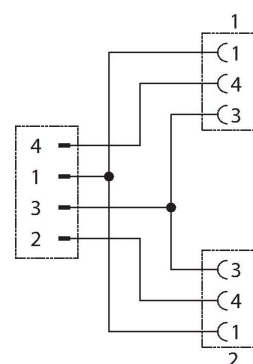
Connector A



Connector B



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.