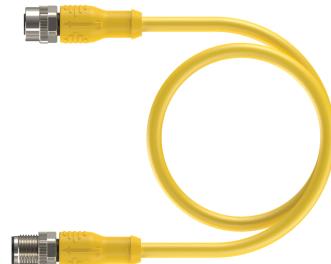
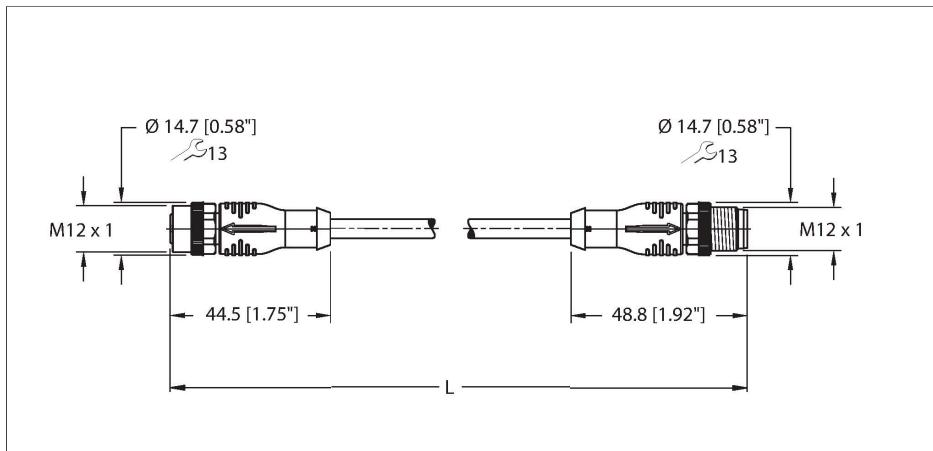


EKRB001-ESRB001-A5.500-WE2Y-5

Actuator and Sensor Cordset – Extension Cable



Technical data

Type	EKRB001-ESRB001-A5.500-WE2Y-5
ID	100033118
Replaces	RK 4.5T-x-RS 4.5T/S1587
Connector A	Female, M12 × 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	5
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Connector seal	O-ring, Plastic, FKM/FPM
Tightening torque (range)	0.4 ... 1.8 Nm (note max. torque of mating connector!)
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67, IP68, IP69, IP69K NEMA: 1, 3, 4, 6P, 12
Connector B	Male, M12 × 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	5
Contacts	Bronze, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Tightening torque	0.4 ... 1.8 Nm

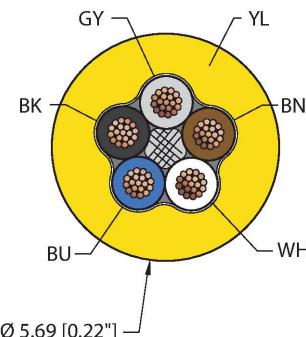
Features



IP67/IP68
IP69/IP69K
DEGREE OF PROTECTION

- M12, Female, Straight, 5-pin
- M12, Male, Straight, 5-pin
- Instrumentation Tray Cable
- Yellow TPE jacket, 5X22 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

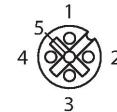


Contact assignment

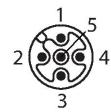
Technical data

(note max. torque of mating connector!)	
Mechanical life	> 100 Mating cycles
Pollution degree	3
NEMA: 1, 3, 4, 6P, 12	
Cable data	
Cable ID	RF51898
Total number of conductors	5
Cable diameter	Ø 5.69 mm
Length (L)	5 m, (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	TPE, Yellow
Conductor diameter	0.054 "
Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	5 x 22 AWG [Similar to 0.34 mm ²]
Number of strands x O.D.	19 x 0.0058 "
Conductor colors	BN, WH, BU, BK, GY
Electrical properties at +20 °C	
Rated voltage	250 V _{AC} /300 V _{DC}
Current	4 A
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 °C...+105 °C
Ambient temperature range (dynamic)	5 °C...+105 °C
Temperature range (installation)	-10 °C...+105 °C
Approval	
Approvals	UL 2238 CSA C22.2 No. 182.3 CE UKCA RoHS
Note	
- Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the	

Connector A



Connector B

**Circuit Diagram**

Technical data

rated cycle speed, or operating below the rated cable bend radius.

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

Accessories

TORQUE-WRENCH-SET-M12/SW13



A900152

Adjustable torque driver to connect to the 13mm hex. Compatible with redesigned M12 cordsets, M12 Power, and M12 X-code. NOT Compatible with legacy M12 cordsets. Includes (1) adjustable torque driver, (1) adjustment tool, and (1) 13mm forked bit.

M12-TORQUE-SLEEVE, YELLOW(10PACK)

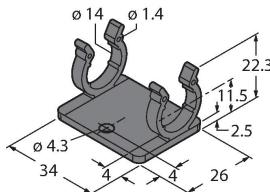
A900167



10 Pack of Yellow Torque Sleeves for the new M12 cordsets. Compatible with male, female, straight and right-angled, stainless steel and nickel-plated brass coupling nuts.

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.