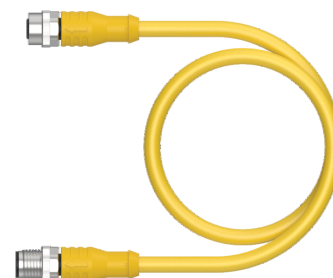
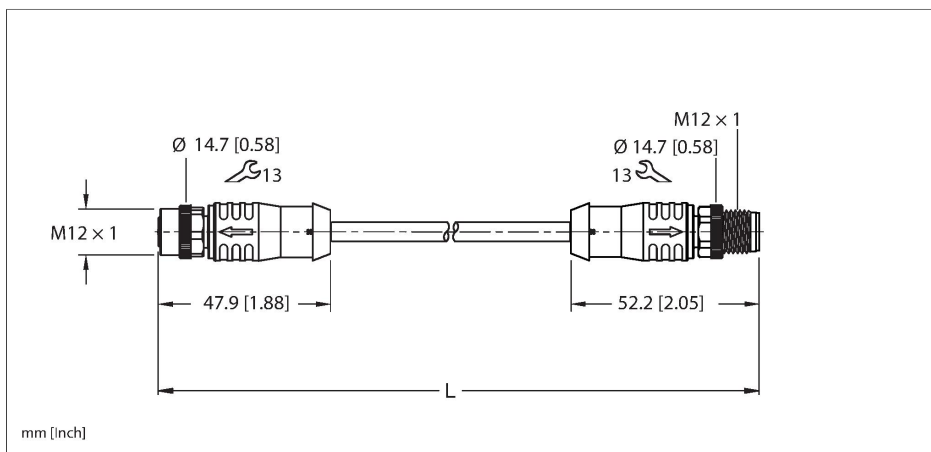


EKRB001-ESRB001-A5.5GD-FE8Y-3

Actuator and Sensor Cable – Extension Cable



Technische Daten

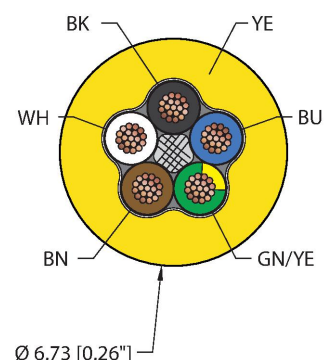
Type	EKRB001-ESRB001-A5.5GD-FE8Y-3
ID	200009170
Connector A	Female, M12 × 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	5
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, 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, CuSn, 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 (note max. torque of mating connector!)

Features



- M12, Female, Straight, 5-pin
- M12, Male, Straight, 5-pin
- Flexlife™ Cable
- Yellow TPE jacket, 5X18 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

Cable cross section



Contact assignment

Technische Daten

Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67, IP68, IP69, IP69K
	NEMA: 1, 3, 4, 6P, 12

Cable data	
Cable ID	RF51174
Total number of conductors	5
Cable diameter	Ø 6.73 mm
Length (L)	3 m, (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	TPE, Yellow
Conductor diameter	0.066 "
Conductor material	TC (tinned copper)
Conductor insulation material	TPC-ET
Conductor size	5 x 18 AWG [Similar to 0.75 mm²]
Number of strands x O.D.	65 x 36 AWG
Conductor colors	BK, BU, GN/YE, BN, WH

Electrical properties at +20 °C	
Rated voltage	250 V _{AC} /300 V _{DC}
Current	5 A

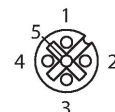
Mechanical and chemical properties	
Bending radius (static)	≥ 5 x Ø
Bending radius (dynamic)	≥ 10 x Ø
Torsion rating	Max. 20 million
UL cold bend rating	-40 °C
Flex rating 10 x Ø	20 million cycles

*When properly installed @ 20°C, 50%RH, and a cycle speed of ≤0.5 cycles per second.

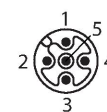
C-Track	Yes
Ambient temperature range (static)	-40...+105 °C
Ambient temperature range (dynamic)	5...+105 °C
Temperature range (installation)	-10...+105 °C

Approval	
Approvals	UL 2238 CSA C22.2 No. 182.3 CE UKCA RoHS

Connector A



Connector B



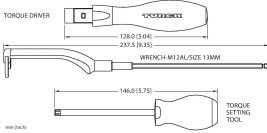
Circuit Diagram



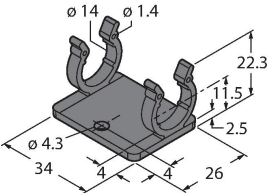
Technische Daten

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.
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Montagezubehör

M12-TORQUE-SLEEVE,YELLOW(10PACK)	A900167	TORQUE-WRENCH-SET-M12/SW13	A900152
	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.		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.

Montagezubehör

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.