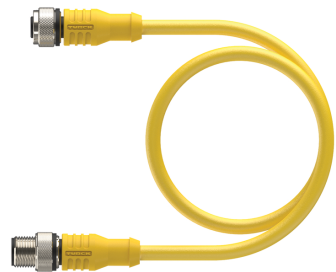


RKC 4.5T-3-RSC 4.5T/S101/CS10288

Actuator and Sensor Cable – Extension Cable



Technische Daten

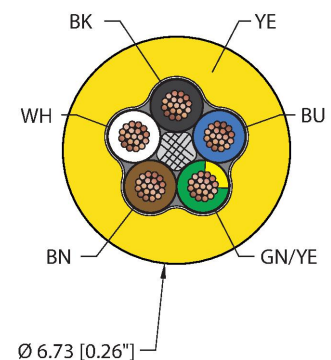
Type	RKC 4.5T-3-RSC 4.5T/S101/CS10288
ID	100005704
Connector A	Female, M12 × 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	5
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Connector seal	O-ring, Plastic, FKM/FPM
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)	IP68, IP69K
	NEMA: 1, 3, 4, 6P
Connector B	Male, M12 × 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	5
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Yellow
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Tightening torque	0.8 ... 1 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)	IP68, IP69K
	NEMA: 1, 3, 4, 6P

Cable data

Cable ID	RF51174
Total number of conductors	5
Cable diameter	Ø 6.73 mm
Length (L)	3 m
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
Current	4 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

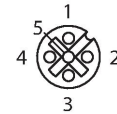
Approval

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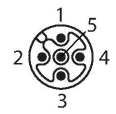
Note

- Flex ratings may be reduced if used in extreme temperatures, exposure to cer-

Connector A



Connector B



Circuit Diagram



