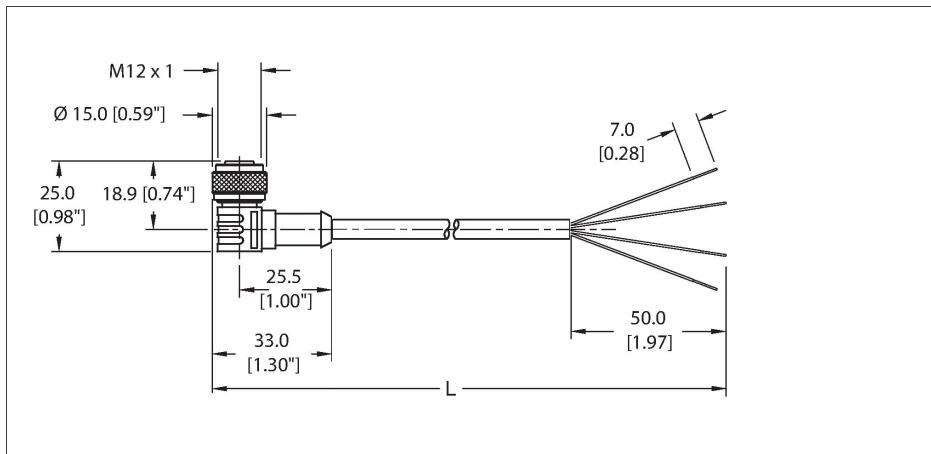


WK 4.4T-5

Power Cable – Connection Cable



Technical data

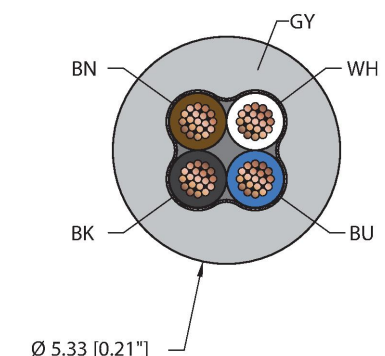
Type	WK 4.4T-5
ID	U2436
Connector A	Female, M12 × 1, Right Angle, A-coded
Design specification	acc. to IEC 61076-2-101
Number of Pins	4
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Yellow
Coupling nut/screw	Brass, CuZn, Nickel-plated
Seal	O ring, Plastic, FKM/FPM
Tightening torque (range)	0.8 ... 1 Nm (observe max. torque of mating connector!)
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP68, IP69K
	NEMA: 1, 3, 4, 6P
Cable	
Cable ID	RF50516
Number of cores	4
Cable diameter	Ø 5.33 mm
Cable length	5 m, (+ 50 mm or 4 % of the length/-0.0, depending on which value is larger)
Cable jacket	PVC, Gray
Conductor diameter	0.054 "
Conductor material	TC (tinned copper)
Core insulation	PVC
Core cross-section	4 x 22 AWG [Similar to 0.34 mm²]

Features



- M12 female connector, right angle, 4-pin
- Instrumentation Tray Cable
- PVC jacket, gray, 4 × 22 AWG
- UV resistant
- -40 °C cold bending strength
- Oil resistant
- Fire classes: UL 1685 FT4, UL1061, CSA FT4
- Flexlife and C-Track approved

Cable Cross-Section

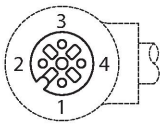


Contact assignment

Technical data

Arrangement of strands	19 x 0.0058 "
Core colors	BN, WH, BU, BK
Electrical properties at +20 °C	
Rated voltage	250 V
Current	4 A
Mechanical and chemical properties	
Bending radius (stationary installation)	≥ 5 x Ø
Bending radius (flexible use)	≥ 10 x Ø
Cold flexural strength	-40 °C
Bending cycles 20 x Ø	10 million *
	When correctly installed at 20 °C, 50 % RH and a cycle speed of ≤ 0.5 cycles per second.
C-track	Yes
Ambient temperature range (stationary)	-40...+105 °C
Ambient temperature range (In motion)	5...+105 °C
Ambient temperature during installation	-10...+105 °C
Approval	
Approvals	UL 2238 CSA C22.2 No. 182.3 CE UKCA RoHS
Note	
	Using the cable in extreme temperatures, when it is exposed to certain chemicals and above the nominal cycle speed or below the nominal bending radius of the cable can reduce the flexural strength.
	- We reserve the right to make technical modifications without prior notice.

Connector A



Circuit Diagram

