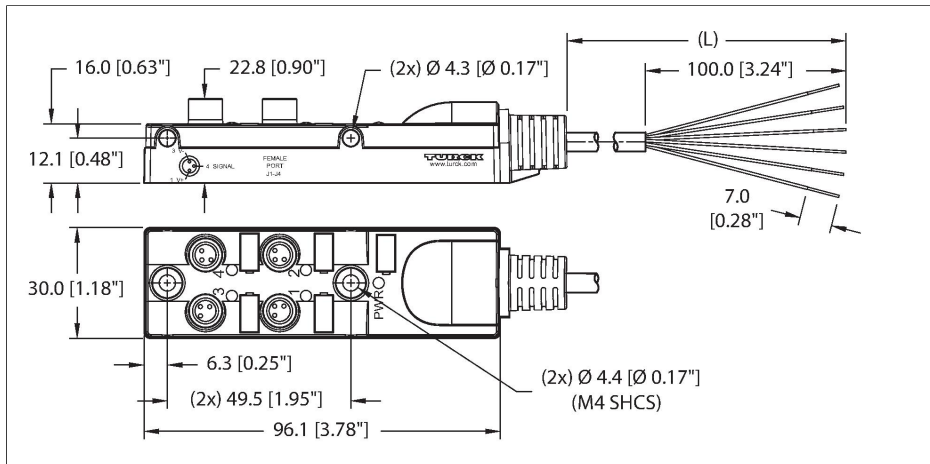


TB-4M8M-3N2-5

Passive Actuator/Sensor Junction Box, 4 Ports – M8 × 1 I/O Port with Integral Homerun Cable



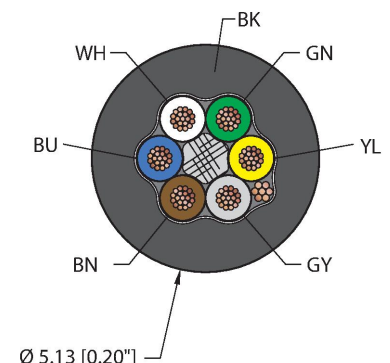
Technical data

Type	TB-4M8M-3N2-5
ID	UX03615
Distributed I/O	Junction box, 4, with integral homerun cable
Housing	Plastic, PA 6 GF30, Black
Display operating voltage	LED, green
Display switching state	LED, yellow
Switching function	NPN
I/O port	Female, M8 × 1
Design specification	acc. to IEC 61076-2-104
Number of Pins	3
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, PA 4.6 GF30, Black
Seal	O ring, Plastic, FKM/FPM
Flange housing	Brass, CuZn, Nickel-plated
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, IP68, IP69, IP69K
	NEMA: 1, 3, 4, 6P, 12
Group terminal	Cable, Side output
Cable	
Cable ID	RF50845
Number of cores	6
Cable diameter	Ø 5.13 mm
Cable length	5 m, (+ 50 mm or 4 % of the length/-0.0, depending on which value is larger)

Features

- CE RoHS compliant IP67/IP68 IP69K DEGREE OF PROTECTION
- Housing material: Nylon
- Housing color: black
- Protection class IP67
- RoHS conform
- cULus listed
- LED (PNP circuit)
- I/O port (number of pins): 3-pin + PE
- General purpose cable
- PVC jacket, black, shielded, 6 × 24 AWG
- 40 °C cold bending strength
- Fire classes: UL1061, CSA FT1
- Cable length: 5 m

Cable Cross-Section



Contact assignment

Technical data

I/O connector

Cable jacket	PVC, Black
Shielding	Aluminum/polyester (IN)
Drain wire cross section	26 AWG, TC (tinned copper)
Conductor diameter	0.044 "
Conductor material	TC (tinned copper)
Core insulation	PVC
Core cross-section	6 x 24 AWG [Similar to 0.25 mm²]
Arrangement of strands	19 x 36 AWG
Core colors	WH, GN, YE, GY, BN, BU
Electrical properties at +20 °C	
Rated voltage	30 VDC
Current	2 A per signal contact, total current 6 A
Mechanical and chemical properties	
Bending radius (stationary installation)	≥ 5 x Ø
Bending radius (flexible use)	≥ 15 x Ø
Cold flexural strength	-40 °C
Ambient temperature range (stationary)	-40 °C...+85 °C
Ambient temperature range (In motion)	5 °C...+85 °C
Ambient temperature during installation	-10 °C...+85 °C
Approval	
Approvals	CE 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.	



