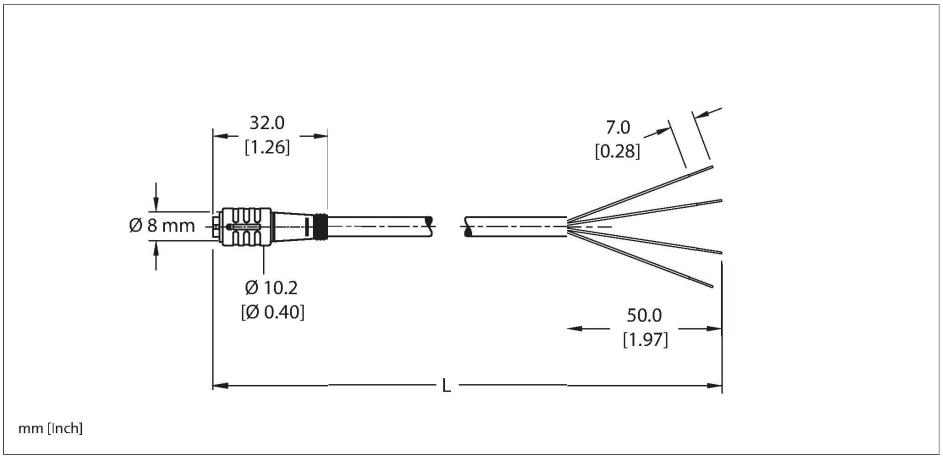
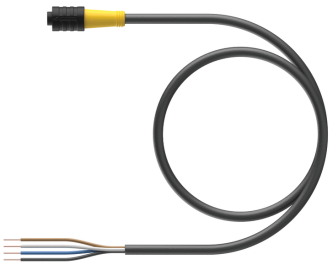
PKG 4Z-2/S90
Actuator and Sensor Cordset – TPU jacket





Technical data

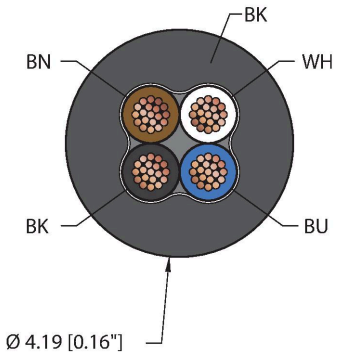
Type	PKG 4Z-2/S90
ID	U2521-1
Connector A	Female, M8 - Ø 8 mm (snap), Straight
Design specification	Acc. to IEC 61076-2-104
Number of contacts	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Yellow
Interlocking sleeve	Plastic, POM, black
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67
	NEMA: 1, 3, 4, 6P
Cable data	
Cable ID	RF50586
Total number of conductors	4
Cable diameter	Ø 4.19 mm
Length (L)	2 m, (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	TPU, Black
Conductor diameter	0.039 "
Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	4 x 26 AWG [Similar to 0.14 mm²]
Number of strands x O.D.	19 x 38 AWG

Features

IP67
DEGREE OF PROTECTION

- M8, Female, Straight, 4-pin
- Snap-on Connector with Sleeve Lock
- General Purpose Cable
- TPU jacket, Black, 4X26 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

Cable cross section



Contact assignment

Technical data

Conductor colors	BN, WH, BU, BK
Electrical properties at +20 °C	
Rated voltage	125 VAC/DC
Current	2 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…+90 °C
Ambient temperature range (dynamic)	5 °C…+90 °C
Temperature range (installation)	-10 °C…+90 °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 rated cycle speed, or operating below the rated cable bend radius.
	- We reserve the right to make technical alterations without prior notice.

Connector A

Circuit Diagram

PKG 4Z-2/S90 | 06/07/2023 06-15 | technical changes reserved