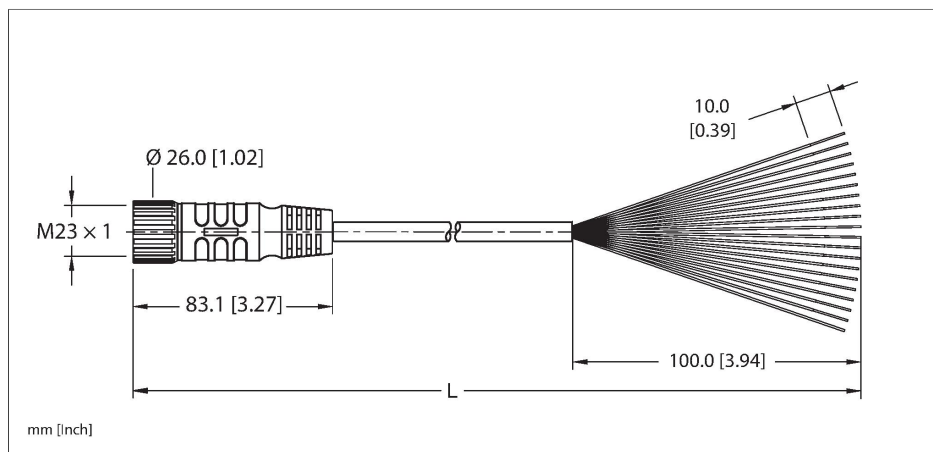


CKM 19-19-100

Actuator and Sensor Cable – Connection Cable



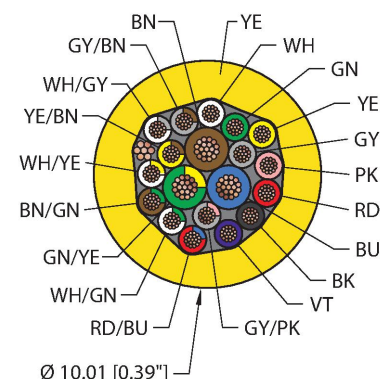
Technische Daten

Type	CKM 19-19-100
ID	U0941-03
Connector A	Female, M23 × 1, Straight
Number of contacts	19
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, PA, Gray
Connector body	Plastic, TPU, Black
Coupling nut	Brass, CuZn, Nickel-plated
Mechanical life	> 100 Mating cycles
Protection class (When coupled)	IP67
	NEMA: 1, 3, 4
Cable data	
Cable ID	RF50620
Total number of conductors	19
Cable diameter	Ø 10.01 mm
Length (L)	100 m
Cable jacket	PVC, Yellow
Shielding	Aluminum/polyester (IN), 20 AWG, TC (Tinned Copper)
Conductor diameter	0.076 "
Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	3 x 18 AWG [Similar to 0.75 mm²]
Number of strands x O.D.	19 x 0.0092 "
Conductor diameter	0.048

Features

- UL CE RoHS compliant IP67
- M23, Female, Straight, 19-pin
- Instrumentation Tray Cable
- Yellow PVC jacket, shielded, 3X18+16X22 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, UL1061, CSA FT4

Cable cross section



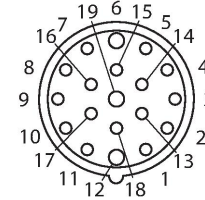
Contact assignment

Technische Daten

Conductor insulation material	SR-PVC
Conductor size	16x 22 AWG [Similar to 0.34 mm²]
Number of strands x O.D. (2)	19 x0.0058 mm
Conductor colors	VT, RD, GY, RD/BU, BU, GN, BN, WH/ GN, WH/YE, WH/GY, BK, GN/YE, YE/ BN, BN/GN, WH, YE, PK, GY/BN, GY/PK

Electrical properties at +20 °C	
Rated voltage	600 V
Current	9 A (Contacts 6,12,19) / 2 A (All other contacts)
Mechanical and chemical properties	
Bending radius (static)	≥ 5 x Ø
Bending radius (dynamic)	≥ 15 x Ø
UL cold bend rating	-40 °C
Ambient temperature range (static)	-40...+105 °C
Ambient temperature range (dynamic)	5...+105 °C
Temperature range (installation)	-10...+105 °C
Approval	
Approvals	UL Listed CE 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

