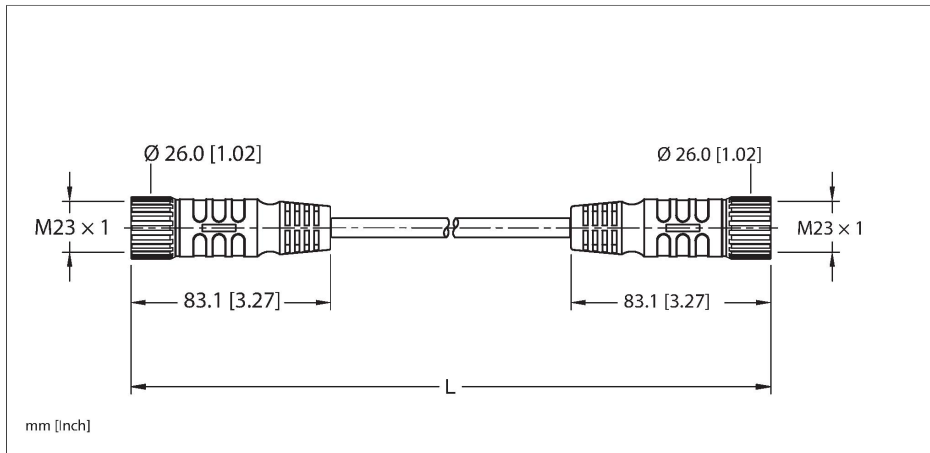


CSM CKM 19-19-*/S90

Actuator and Sensor Cable – Extension Cable



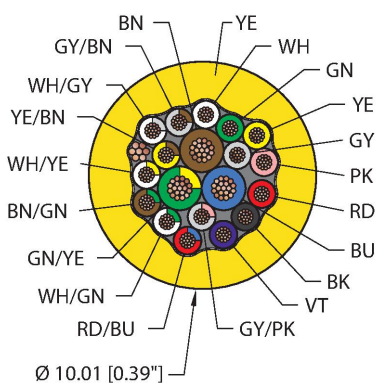
Technical data

Type	CSM CKM 19-19-*/S90
ID	777000322
Connector A	Male, M23 × 1, Straight
Number of contacts	19
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or PBT, Gray
Connector body	Plastic, TPU, Black
Coupling nut	Brass, CuZn, Nickel-plated
Connector seal	O-ring, Plastic, FKM/FPM
Tightening torque	1 Nm
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67
Connector B	Female, M23 × 1, Straight
Number of contacts	19
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or PBT, Yellow
Connector body	Plastic, TPU, Black
Coupling nut	Brass, CuZn, Nickel-plated
Protection class (When coupled)	IP67
Cable data	
Cable ID	RF50682
Total number of conductors	19
Cable diameter	Ø 10.01 mm

Features

- UL, CE, RoHS compliant, IP67
- M23, Male, Straight, 19-pin
- M23 Female, Straight, 19-pin
- General Purpose Cable
- TPU jacket, Yellow, shielded, 3X18+16X22 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1

Cable cross section

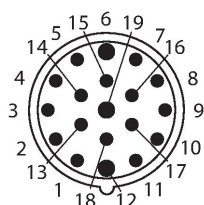


Contact assignment

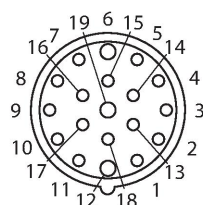
Technical data

Cable jacket	TPU, 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
Conductor insulation material	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	150 VAC/DC
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...+90 °C
Ambient temperature range (dynamic)	5...+90 °C
Temperature range (installation)	-10...+90 °C
Approval	
Approvals	UL 2238 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



Connector B



Circuit Diagram

