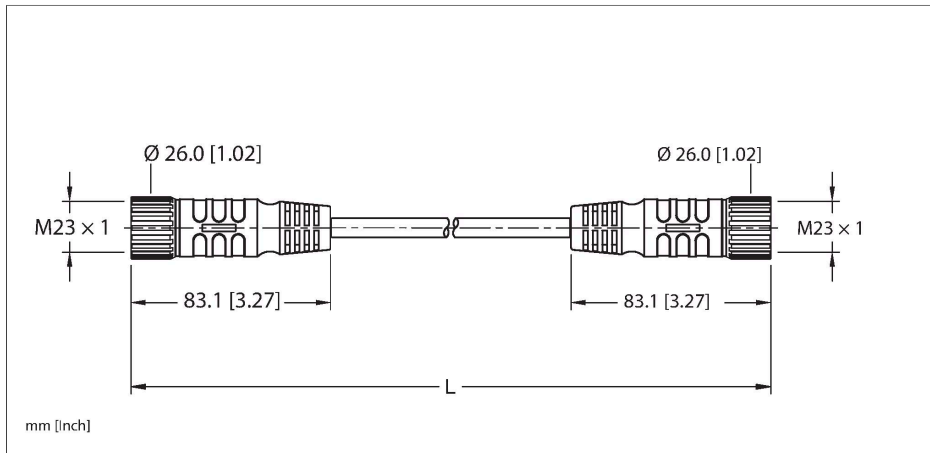


# CSM CKM 19-19-\*/S101

## Actuator and Sensor Cable – Extension Cable



### Technical data

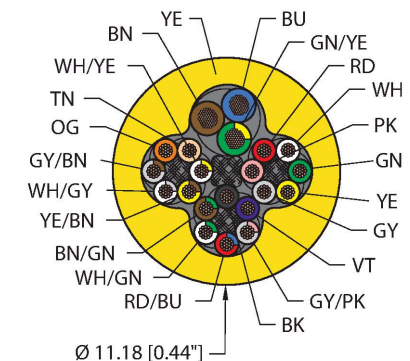
Type	CSM CKM 19-19-*/S101
ID	777006571
Connector A	Male, M23 × 1, Straight
Number of contacts	19
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or PBT, Gray
Connector body	Plastic, TPU, Black
Coupling nut	Brass, CuZn, Nickel-plated
Connector seal	O-ring, Plastic, FKM/FPM
Tightening 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	RF50916
Total number of conductors	21
Cable diameter	Ø 11.18 mm

### Features



- M23, Male, Straight, 19-pin
- M23 Female, Straight, 19-pin
- Yellow TPE jacket, 3X18+18X22 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL1061, CSA FT1
- Flexlife® and C-Track Approved

### Cable cross section



### Contact assignment

## Technical data

Cable jacket	TPE, Yellow
Conductor diameter	0.069 "
Conductor material	TC (tinned copper)
Conductor insulation material	TPC-ET
Conductor size	3 x 18 AWG [Similar to 0.75 mm <sup>2</sup> ]
Number of strands x O.D.	65 x 36 AWG
Conductor diameter	0.046
Conductor insulation material	PP
Conductor size	18x 22 AWG [Similar to 0.34 mm <sup>2</sup> ]
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)

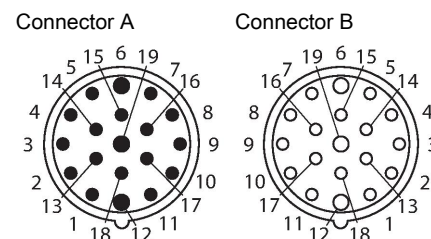
Mechanical and chemical properties	
Bending radius (static)	≥ 5 x Ø
Bending radius (dynamic)	≥ 10 x Ø
Torsion rating	Max. 20 million
UL cold bend rating	-40 °C
Flex rating 10 x Ø	20 million cycles

\*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...+105 °C
Ambient temperature range (dynamic)	5...+105 °C
Temperature range (installation)	-10...+105 °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.



## Circuit Diagram

