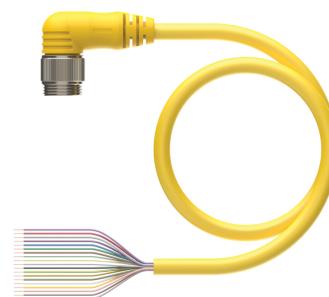
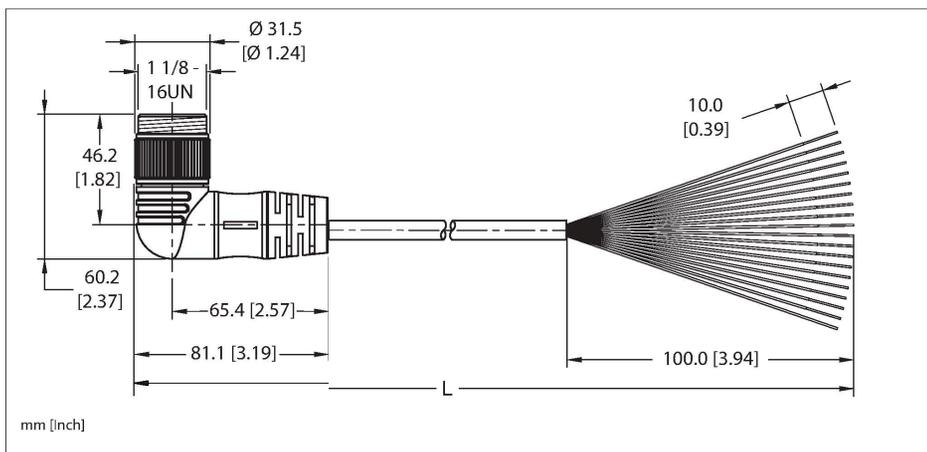


WSM 190-xM/S90

Actuator and Sensor Cable – Connection Cable



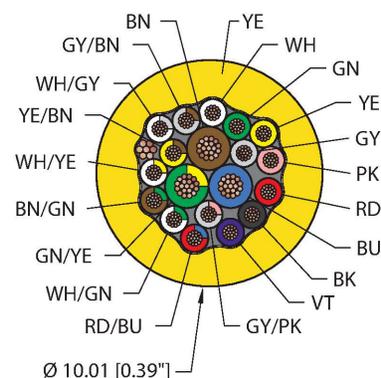
Technische Daten

Type	WSM 190-xM/S90
ID	777021730
Special version	S90 = TPU cable jacket
Connector A	Male, 1 1/8"-16 UN, Right angle
Number of contacts	19
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Yellow
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Tightening torque	3 Nm
Mechanical life	> 100 Mating cycles
Protection class (When coupled)	IP67, IP68, IP69, IP69K NEMA: 1, 3, 4, 6P, 12
Cable data	
Cable ID	RF50682
Total number of conductors	19
Cable diameter	Ø 10.01 mm
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 mm ²]
Number of strands x O.D.	19 x 0.0092 "

Features

-
- 1-1/8" Male, Right-angle, 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

Technische Daten

Conductor diameter	0.048
Conductor insulation material	PVC
Conductor size	16x 22 AWG [Similar to 0.34 mm ²]
Number of strands x O.D. (2)	19 x 0.0058 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	300 V
Current	4 A (Contacts 5,7,12) / 2 A (All other con- tacts)

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

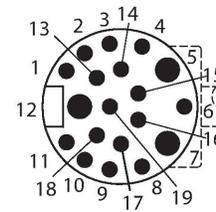
Approvals	CE
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Note

- 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

