

LUTZE SUPERFLEX® TRONIC AS (C) PUR, Shielded

High Flexing Actuator Sensor Cable with UL Approval



Application

- Termination cable for actuator-sensor applications
- For continuous flexing use in C-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacturing
- Full PUR jacket and TPE conductor insulation optimally suited for extremely harsh operating conditions, aggressive coolants and lubricants

Characteristics

- High active and passive interference resistance (EMC)
- Very good alternating bending strength
- Good pressure and flexing stability
- Low adhesion, abrasion-resistant, nick-resistant, tear-resistant
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Weathering, ozone and UV resistant
- Salt water resistant
- Excellent coolant and lubricant resistance
- Largely resistant to oils, greases, alcohol-free benzenes and kerosene
- Talc and Silicone free

Technical Data

Voltage	300V UL AWM
Test voltage	3000V
Insulation resistance	Min. 100MΩ x km
Temperature range	Moving -20°C - +80°C
	Fixed -40°C - +80°C
Minimum bending radius	Moving 12 x cable OD
	Fixed 6 x cable OD
Burning behavior	Flame retardant per
	DIN EN 60332-1-2
	IEC 60332-1
	UL 1581 section VW-1
Halogen free	Flame Test FT1
	According to
Approvals	DIN EN 60754-1
	UL AWM 20549
	RoHS REACH

Construction

- Metric conductor
- Bare copper wire finely stranded per DIN VDE 0295 class 6 and IEC 60228 class 6
- Special TPE conductor insulation
- G: with GNYE ground conductor
- x: without ground conductor
- Conductors color coded per EN 60947-5-2
- Layer pitch optimized
- Fleece wrap over cabled conductors
- Tinned copper braid shield, optical coverage ≥ 85 %
- PUR jacket, matte, adhesion-free surface
- Black jacket RAL 9005

Part No.	Description No. of conductors	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG24 / 0.25 mm²					
117250	(3x0.25) BN, BU, BK	4.6	0.181	19	11
117251	(4x0.25) BN, WH, BU, BK	4.9	0.193	22	13
117252	(8x0.25) WH, BN, GN, YE, GY, PK, BU, RD	6.3	0.248	37	24
AWG22 / 0.34 mm²					
117253	(3x0.34) BN, BU, BK	4.8	0.189	22	13
117254	(4x0.34) BN, WH, BU, BK	5.1	0.201	26	16
117255	(5x0.34) BN, WH, BU, BK, GY	5.5	0.217	30	19

“Extra rugged actuator sensor cable for use in continuous motion applications such as energy chains”.



Specifications are subject to change without prior notice