

LUTZE SUPERFLEX® TRONIC AS (C) PUR, Shielded

High Flexing Actuator Sensor Cable for Continuous Motion Applications



Application

- Shielded termination cable for actuator sensor applications
- For continuous flexing use in drag chains or free movement in 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
- Compatible with all major drag chain brands
- Compliant with NFPA 79, Article 12.9

Characteristics

- High active and passive interference resistance (EMC)
- Very good alternating bending strength
- Good pressure and flexing stability
- Abrasion, high wear and tear resistance
- Hydrolysis, microbe, 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
Test voltage	3000V
Insulation resistance	Min. 100MΩ x km
Temperature range	Moving -20°C - +80°C Fixed -40°C - +80°C
Bending radius min	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 FT1
Halogen free	According to DIN EN 60754-1
Approvals	AWM 20549 80C 300V RoHS, REACH

Construction

- Metric conductor
- Bare copper wire super finely stranded per DIN VDE 0295 class 6 and IEC 60228 class 6
- Special TPE conductor insulation
- 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 similar to RAL 9005

Specifications are subject to change without prior notice

Part No.	Description No. of conductors	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
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 drag chains”.

