

PUR actuator-sensor cables · c-track suitable

LÜTZE SUPERFLEX® TRONIC AS PUR, unshielded For highest requirements



Application

- Connecting cable for the actuator-sensor technology
- For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture
- PUR jacket optimally suited for rough operating conditions and aggressive coolants and lubricants

Properties

- Very good alternating bending strength
- Good pressure and roll-over resistance
- Low adhesion, abrasion-resistant, tear resistant
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Weatherproof, ozone and UV resistant (normal lighting conditions)
- Good ruggedness and salt water resistance
- Excellent coolant and lubricant resistance
- Resistant to most oils, greases, alcohol-free benzines and kerosene
- Silicone free
- Halogen free
- RoHS-compliant

Technical data

UL style	AWM 20549
Rated voltage	300 V
Test voltage	AC 3000 V
Insulation resistance at 20 °C	≥ 100 MΩ×km
Temperature according to UL	80 °C
Temperature range moving	-20 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	8×D
Minimum bending radius fixed	4×D
Burning behavior according to	DIN EN 60332-2-2 UL 1581 Horizontal Flame Test UL FT-2
Halogen free according to	DIN EN 60754-1 IEC 60754-1
Conformity	CE RoHS REACH
Approvals	cURus

Construction

- Conductor: CU-wire bare
- Conductor category: IEC 60228, Class 6, Superfinely stranded DIN VDE 0295, class 6
- Conductor insulation: Special TPE
- Conductor marking: Color coded
- Conductor marking standard: EN 60947-5-2
- Overall stranding: conductors layered construction, layer pitch optimised, conductors twisted without mechanical stress
- Jacket material: PUR
- Surface: adhesion-free, matt
- Jacket color: black RAL 9005

Part-No.		Number of strands/cross-section/strand colors	Outer Ø mm	Weight kg/100 m	Cu-Index kg/100 m
0.25 mm²					
117242	R*	8×0.25 white, brown, green, yellow, grey, pink, blue, red	5.9	4.1	2.1
0.34 mm²					
117243	S*	3×0.34 brown, blue, black	4.2	2.2	1.0
117244	S*	4×0.34 brown, white, blue, black	4.5	2.7	1.3
117245	R*	5×0.34 brown, white, blue, black, grey	4.9	3.2	1.7
117246	R*	5×0.34 brown, white, blue, black, green/yellow	4.9	3.2	1.7
Actuator-sensor connecting cables					
110872	S*	3G1.0 brown, blue, green/yellow 8×0.34 white, black, green, yellow, grey, pink, violet, red	8.2	9.9	5.5
110874	S*	3G1.0 brown, blue, green/yellow 16×0.34 white, green, yellow, grey, pink, red, black, violet, grey/pink, red/blue, white/green, brown/green, white/yellow, yellow/brown, white/grey, grey/brown	9.7	13.5	8.1

CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU