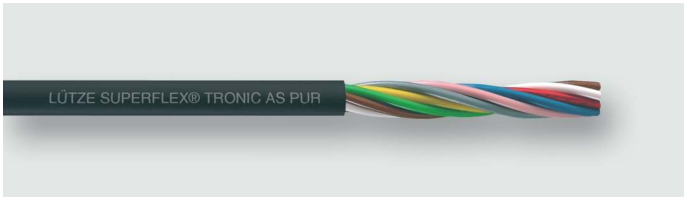
Technical data sheet

PUR actuator-sensor cables · c-track suitable

LÜTZE SUPERFLEX® TRONIC AS PUR, unshielded
For highest requirements



Identification

Type	SU TR AS PUR 3×0,34
Part No.	117243.2000

Product version

Datasheet version	00

Use/Application/Properties

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 harsh operating conditions and aggressive coolants and lubricants
Properties	• Very good alternating bending strength • Good pressure and roll-over resistance • Low adhesion, abrasion-resistant, nick-resistant, tear-resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weathering, ozone and UV resistant (normal lighting conditions) • Industrial and salt water resistant • Excellent coolant and lubricant resistance • Largely resistant to oils, greases, alcohol-free benzines and kerosene • Silicone free • Halogen free

Construction

Description	SUPERFLEX® TRONIC AS PUR
Number of conductors/cross-section	3×0.34
Number of conductors	3
Cross-section, metric	0.34 mm²
Cross-section AWG	AWG 22
Jacket material	PUR
Jacket color	black similar to RAL 9005
Outer Ø	4.2 mm
Outer Ø	0.165 inch
Surface	adhesion-free

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Weight	2.6 kg/100 m
Weight	17.42 Lbs/Mft
Cu Index	0.98 kg/100 m
Cu Index	6.6 Lbs/Mft

Construction Element 1

Element construction	3×0.34
Conductor construction	42×0.10
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Class 6
Conductor marking	brown • blue • black
Conductor marking standard	EN 60947-5-2
Conductor insulation	TPE

Overall construction

Overall stranding	Conductors layered construction Layer pitch optimised Conductors twisted without mechanical stress
Jacket characteristics	Flame-retardant Oil resistant Grease-resistant Petrol-resistant (alcohol-free) Kerosene-resistant Silicone free Halogen free

Technical data

Rated voltage	300 V
Test voltage type	AC 1500 V
Temperature according to UL	80 °C
Temperature range moving	-20 °C … +80 °C
Temperature range fixed	-40 °C … +80 °C
Minimum bending radius moving	7.5×cable OD
Minimum bending radius fixed	4×cable OD
Bending cycles	≥5 Mio
Speed	≤4
Acceleration	≤5

Technical Data Element 1

Element construction	3×0.34
Insulation resistance at 20 °C	≥100 MΩ×km
Conductor resistance	≤65.3 Ω/km
Operating capacitance wire-wire	≤60 pF/m

Approvals/Standards

Approvals	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH TSCA
Burning behavior according to	IEC 60332-2 UL 1581 Horizontal Flame Test CSA FT 1
Oil resistant according to	UL 758 UL 4d100C DIN EN 60811-404
Halogen free according to	EN 60754-1 VDE 0482-754-1
UV-resistant according to	UL 1581/2556-300h

General

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