Technical data sheet

PUR electronic cables · C-track compatible · Unshielded

LÜTZE SUPERFLEX® TRONIC PUR
Unshielded electronic cable UL recognized
For highest requirements

halogen free flame retardant · LÜTZE SUPERFLEX® connected · Low Capacitance · RoHS

Identification

Type	SU TR PUR 15×0,25
Part No.	117028

Product version

Datasheet version	00

Use/Application/Properties

Application

- C-track as well as everywhere where signals are transmitted to continuously moving system or machine parts
- Machine and device construction, transport and conveyor technology, heating and climate technology
- In dry and damp rooms
- As monitoring, measurement and control cable for continuous bending loads

Properties

- Low capacitance, very good electrical properties
- Flame retardant, self extinguishing
- Halogen free, no corrosive gases
- Very good alternating bending strength
- Low adhesion, abrasion-resistant, nick-resistant, tear-resistant
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Industrial and salt water resistant
- Excellent coolant and lubricant resistance
- Largely resistant to oils, greases, alcohol-free benzines and kerosene
- Silicone free

Construction

Description	SUPERFLEX® TRONIC PUR
Number of conductors/cross-section	15×0.25
Number of conductors	15
Cross-section, metric	0.25 mm²
Cross-section AWG	AWG 24

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Jacket material	PUR
Jacket color	grey similar to RAL 7001
Outer Ø	7.1 mm
Outer Ø	0.28 inch
Surface	adhesion-free
Weight	6.5 kg/100 m
Weight	46 Lbs/Mft
Cu-Index	3.6 kg/100 m
Cu-Index	24.12 Lbs/Mft

Construction Element 1

Element construction	15 × 0.25
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Class 6
Conductor marking	Color coded
Conductor marking standard	DIN 47100
Conductor insulation	Special TPE

Overall construction

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

Technical data

Rated voltage	300 V
Test voltage type	AC 1500 V
Temperature according to UL	80 °C
Temperature range moving	-25 °C … +80 °C
Temperature range fixed	-40 °C … +80 °C
Minimum bending radius moving	7.5×D
Minimum bending radius fixed	4×D
Bending cycles	≥5 Mio
Travel distance	≤20 m
Speed	≤4 m/s
Acceleration	≤5 m/s²

Technical Data Element 1

Element construction	15 × 0.25
Insulation resistance at 20 °C	≥1000 MΩ×km

Certifications/Standards

Certifications	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH TSCA
Burning behavior according to	IEC 60332-2-2 DIN EN 60332-2-2 UL 1581 Horizontal Flame Test UL FT2
Oil resistant according to	DIN EN 50363-10-2
Halogen free according to	IEC 60754-1 DIN EN 60754-1
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