

Technical data sheet · LÜTZE SUPERFLEX[®] N (C) PVC

For medium to high requirements



PVC control cables · C-track compatible · shielded

| | | |
|-----------------------|----------|--------------------|
| Identification | Type | SU N(C)PVC (5G0,5) |
| | Part-No. | 118039 |

Use/Application/Characteristics

| | |
|-----------------|--|
| Application | <ul style="list-style-type: none"> • Machine and device construction, transport and conveyor technology, HVAC technology • In dry and damp rooms • As a monitoring, measurement and control cable in continuously moving applications • For installation in energy chains with constant linear movement • Anywhere where electrical interference fields can influence the signal transmission |
| Characteristics | <ul style="list-style-type: none"> • Construction and material suitable for continuous movement application. • High active and passive interference resistance • PVC Flame-retardant, self-extinguishing • Resistant to most oils, greases, acids and alkalis (see tech. information) • Silicone free • RoHS-compliant |

Construction

| | |
|------------------------------------|---------------------|
| Description | SUPERFLEX N (C) PVC |
| Number of conductors/cross-section | (5G0.5) |
| Jacket material | Special PVC |
| Jacket color | grey RAL 7001 |
| Outer Ø | 7.6 mm |

27.01.2017 – Subject to technical modification

Part-No. 118039

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SYSTEMATIC TECHNOLOGY

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Weight 9.1 kg/100 m
 Cu-Index 4 kg/100 m

Element 1

Element construction (5G0,5)
 Conductor CU-wire bare
 Conductor category DIN EN 60228, class 6
 Superfinely stranded DIN VDE 0295
 DIN EN 13602
 Conductor marking black
 with white number print
 green/yellow
 Conductor insulation Special PVC
 Stranding Conductors stranded layers
 layer pitch optimised
 Conductors twisted without mechanical stress
 Wrapping Non-woven material

overall construction

Overall wrapping Non-woven material
 Inner jacket PVC
 Overall shield Braid shield
 Tinned copper wires
 optical cover approx. 85%
 Jacket characteristics Flame-retardant
 self-extinguishing
 Silicone-free
 Oil resistant
 grease-resistant
 acid-resistant.
 alkali-resistant

Technical data

Rated voltage U_0/U 300/500 V
 Test voltage type AC 3000 V
 Temperature range moving -15 °C ... +80 °C
 Temperature range fixed -30 °C ... +80 °C
 Minimum bending radius moving 12×D
 Minimum bending radius fixed 6×D
 Bending cycles ≥ 1 Mio
 Travel distance ≤ 15 m
 Speed 5 m/s

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Acceleration 10 m/s²

Element 1

Element construction (5G0,5)
Insulation resistance at 20°C 20.0 MΩ×km

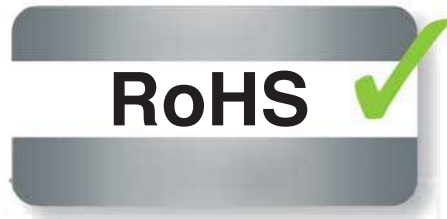
Approvals/Standards

Conformity CE
RoHS
Burning behavior DIN EN 60332-2-2
IEC 60332-2-2
VDE 0482-332-2-2

General

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

Symbols



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