

Technical data sheet · LÜTZE SUPERFLEX® N PVC

For medium to high requirements



PVC control cables · C-track compatible · unshielded

| | | |
|-----------------------|----------|----------------|
| Identification | Type | SU N PVC 3G2,5 |
| | Part-No. | 100893 |

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 |
| Characteristics | <ul style="list-style-type: none"> • Construction and material suitable for continuous movement application. • PVC Flame-retardant, self-extinguishing • Resistant to most oils, greases, acids and alkalis (see tech. information) • Silicone free • RoHS-compliant |

Construction

| | |
|------------------------------------|-----------------|
| Description | SUPERFLEX N PVC |
| Number of conductors/cross-section | 3G2.5 |
| Jacket material | Special PVC |
| Jacket color | grey RAL 7001 |
| Outer Ø | 8.3 mm |
| Weight | 13.3 kg/100 m |
| Cu-Index | 7.3 kg/100 m |

26.01.2017 – Subject to technical modification

Part-No. 100893

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SYSTEMATIC TECHNOLOGY

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Element 1

| | |
|----------------------|---|
| Element construction | 3G2,5 |
| Conductor | CU-wire bare |
| Conductor category | IEC 60228, Class 6 DIN EN 13602 Superfinely stranded DIN VDE 0295 |
| Conductor marking | black with white number print green/yellow |
| Conductor insulation | Special PVC |

overall construction

| | |
|------------------------|--|
| Overall stranding | Conductors stranded layers schlaglängenoptimiert Conductors twisted without mechanical stress |
| Overall wrapping | Non-woven material |
| Jacket characteristics | Flame-retardant self-extinguishing Oil resistant grease-resistant acid-resistant. alkali-resistant Silicone-free |

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 | 10×D |
| Minimum bending radius fixed | 4×D |
| Travel distance | ≤15 m |
| Speed | 5 m/s |
| Acceleration | 10 m/s ² |

Element 1

| | |
|-------------------------------|------------|
| Element construction | 3G2,5 |
| Insulation resistance at 20°C | 20.0 MΩ×km |

Approvals/Standards

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| | |
|------------------|---|
| Conformity | CE RoHS |
| Burning behavior | IEC 60332-2-2 DIN EN 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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