

Technical data sheet · LÜTZE SUPERFLEX® PLUS M (C) PUR SERVO 0.6/1 kV

Supply line for Bosch Rexroth and other systems

For highest requirements



PVC servo cables · C-track compatible · shielded

| | | |
|-----------------------|----------|---|
| Identification | Type | SU+M(C)P SE(4G10+(2×1,0)+(2×1,5))UL 1KV OR |
| | Part-No. | 111762 |
| INK Description* | INK 0605 | |

Use/Application/Characteristics

| | |
|-------------|---|
| Application | <ul style="list-style-type: none"> • For Indramat* system (and similar) • Connection cable motor/brake especially for frequency converters and SERVO drives in machine and plant construction, transport and conveyor technology • Due to Full PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants • Especially for industrial environments in mechanical and system engineering |
|-------------|---|

28.04.2017 – Subject to technical modification

Part-No. 111762

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SYSTEMATIC TECHNOLOGY

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| | |
|-----------------|---|
| Characteristics | <ul style="list-style-type: none"> • High active and passive interference resistance (EMC) • Braided shield optimised for continuous flexible use • Very good alternating bending strength • Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-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 • RoHS compliant |
|-----------------|---|

Construction

| | |
|------------------------------------|--|
| Description | SUPERFLEX+ M (C) PUR SERVO BOSCH-REXROTH |
| Number of conductors/cross-section | (4G10+(2×1.0)+(2×1.5)) |
| Jacket material | PUR |
| Jacket color | orange RAL 2003 |
| Outer Ø | 22.3 mm |
| Outer Ø | 0.878 inches |
| Surface | adhesion-free matt |
| Weight | 76.5 kg/100 m |
| Weight | 513 Lbs/Mft |
| Cu-Index | 57 kg/100 m |
| Cu-Index | 376 Lbs/Mft |

Element 1

| | |
|----------------------------|--|
| Element construction | 4G10 |
| Conductor | CU-wire bare |
| Conductor category | IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6 |
| Conductor marking | black with white number print green/yellow |
| Conductor marking standard | DIN EN 50334 |
| Conductor insulation | Special TPE |

Element 2

| | |
|----------------------|--------------|
| Element construction | (2×10) |
| Conductor | CU-wire bare |

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|----------------------|---|
| Conductor category | IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6 |
| Conductor marking | black with white number print |
| Conductor insulation | Special TPE |
| Stranding | Conductors stranded in pairs layer pitch optimised Conductors twisted without mechanical stress |
| Wrapping | Foil taping |
| Element shielding | Braid shield |

Element 3

| | |
|----------------------|---|
| Element construction | (2×1.5) |
| Conductor | CU-wire bare |
| Conductor category | IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6 |
| Conductor marking | black with white number print |
| Conductor insulation | Special TPE |
| Stranding | Conductors stranded in pairs layer pitch optimised Conductors twisted without mechanical stress |
| Wrapping | Foil taping |
| Element shielding | Braid shield |

overall construction

| | |
|------------------------|--|
| Overall stranding | Elements stranded together |
| Overall wrapping | Non-woven material |
| Overall shield | Braid shield Tinned copper wires optical cover approx. 85% |
| Jacket characteristics | Flame-retardant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free Halogen free |

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| | |
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| Rated voltage U_0/U | 600/1000 V |
| Rated voltage UL | 1000 V |
| Test voltage type | AC 4000 V |
| Temperature range moving | -25 °C ... +80 °C |
| Temperature range fixed | -40 °C ... +80 °C |
| Minimum bending radius moving | 10×D |
| Minimum bending radius fixed | 6×D |

Element 1

| | |
|-------------------------------|-----------|
| Element construction | 4G10 |
| Insulation resistance at 20°C | 500 MΩ×km |

Element 2

| | |
|----------------------|--------|
| Element construction | (2×10) |
|----------------------|--------|

Element 3

| | |
|----------------------|---------|
| Element construction | (2×1.5) |
|----------------------|---------|

Approvals/Standards

| | |
|-------------------------------|--|
| Approvals | UR |
| UL style | AWM 21223 |
| Conformity | CE RoHS REACH |
| Burning behavior according to | IEC 60332-1-2 DIN EN 60332-1-2 UL 1581 UL C22.2 No. 210.2 Flame Rating FT1 |
| Halogen free according to | DIN EN 60754-1 IEC 60754-1 |

General

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

Symbols

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