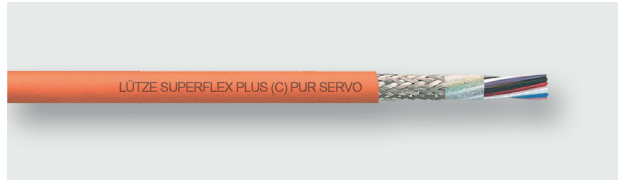


LUTZE SUPERFLEX® Plus (C) PUR Feedback, Shielded

High Flexing Feedback Cable for Bosch-Rexroth and other Systems



Application

- Incremental encoder cable, termination cable for tacho sensor, brake sensor, speed sensor
- Full PUR jacket and TPE cable insulation optimally suited for C-tracks, extremely harsh operating conditions, aggressive coolants and lubricants
- Especially for industrial environments, machines and plants

Characteristics

- High active and passive interference resistance (EMC)
- Special braided shield, optimized for continuous flexing
- Very good alternating bending strength, for continuous flexing
- Low adhesion, abrasion-resistant, nick-resistant, tear-resistant
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Resistant to weather, ozone and UV resistant
- Salt water resistant
- Excellent coolant and lubricant resistance
- Resistant to most oils, greases, alcohol-free benzenes and kerosene (see tech. information)
- Talc and Silicone free

Technical Data

| | |
|------------------------|--|
| UL-Approval | AWM 20233 |
| Voltage | 300V 80°C |
| Test voltage | 2000V |
| Insulation resistance | Min. 2000MΩ x km |
| Temperature range | Moving -25°C - +80°C Fixed -40°C - +80°C |
| Minimum bending radius | Moving 12 x cable OD Fixed 6 x cable OD |
| Burning behavior | Flame retardant per DIN EN 60332-1-2 IEC 60332-1 UL 1581 section VW-1 FT 1 |
| Halogen free | According to DIN EN 60754-1 |
| Approvals | RoHS REACH |

Construction

- Metric conductor
- Bare copper wire super finely stranded per DIN VDE 0295 class 6 and IEC 60228 class 6
- Special TPE conductor insulation
- G: with GNYE ground conductor
x: without ground conductor
- Conductors color-coded for specific system
- Layer pitch optimized
- Fleece wrap over cabled conductors
- Tinned copper braid shield, optical coverage ≥ 85 %
- Extremely oil resistant PUR jacket
- Orange jacket RAL 2003

Additional feedback cables for other systems available. Please contact us for further information.

*Bosch Rexroth article designations are registered trademarks
Specifications are subject to change without prior notice

| Part No. | Description No. of conductors incl. ground | INK* Description | OD / Ø ca. mm | OD / Ø inches | Weight Lbs/Mft | Copper Lbs/Mft |
|----------|--|---------------------|------------------|------------------|-------------------|-------------------|
|----------|--|---------------------|------------------|------------------|-------------------|-------------------|

For Bosch-Rexroth System and similar

| | | | | | | |
|--------|--|-----------|-----|-------|----|----|
| 110941 | (2×1.0+4×2×0.25) 1.0: WH, BN 0.25: BN/GN, GY/PK, BU/VT, RD/BK | INK-0209* | 8.9 | 0.350 | 81 | 43 |
| 111780 | (2x0.5+4x2x0.25) 0.5: WH, BN 0.25: BN/GN, GN/PK, BU/VT, RD/BK | INK-0448* | 8.7 | 0.343 | 67 | 40 |
| 110940 | (9×0.5) Strand color according to DIN 47100 | INK-0208* | 8.8 | 0.346 | 84 | 50 |
| 111495 | (4×1.0+4×2×0.14+(4x0.14)) 1.0: BU, WHGN, BNGN, WH 0.14: GY/PK, YE/VT, GN/BN, RD/BK (0.14): GNBK, BUBK, YEBK, RDBK | INK-0532* | 9.5 | 0.374 | 92 | 65 |
| 111781 | (2x0.5+2x2x0.25) 0.5: WH, BN 0.25: RD/BK, GY/PK | INK-0750* | 7.6 | 0.299 | 60 | 28 |