

# LUTZE SUPERFLEX® Plus (C) PUR Feedback, Shielded

## High Flexing Feedback Cable for Bosch-Rexroth and other Systems



### Application

- Incremental encoder cable, termination cable for tachometer, 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.

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Specifications are subject to change without prior notice

Part No.	Description No. of conductors incl. ground	INK* Description ca.	OD / Ø mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
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### 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	(2×0.5+4×2×0.25) 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+(4×0.14)) 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	(2×0.5+2×2×0.25) 0.5: WH, BN 0.25: RD/BK, GY/PK	INK-0750*	7.6	0.299	60	28