

LUTZE SUPERFLEX® Plus (C) PUR Feedback, Shielded

High Flexing Feedback Cable for Continuous Motion Applications



Application

- Incremental encoder cable, termination cable for tach sensor, brake sensor, speed sensor
- Suitable for applications with extremely rough operating conditions and oil exposure
- For the most demanding flexing applications such as drag chains and linear flexing
- For Bosch-Rexroth and other systems
- Compatible with all major drag chain brands
- Compliant with NFPA 79, Article 12.9

Characteristics

- High resistance to electromagnetic interference (EMI)
- Special braided shield, optimized for continuous flexing
- Very good alternating bending strength
- Abrasion, high wear and tear resistance
- Hydrolysis, microbe, and rot resistant
- UV resistant
- Salt water resistant
- Excellent coolant and lubricant resistance
- Resistant to most oils, greases, alcohol-free benzenes and kerosene
- Talc and silicone free

Technical Data

Voltage	300V 80C AWM
Test voltage	2000V
Insulation resistance	Min. 200MΩ x km
Temperature range	Moving -25°C - +80°C Fixed -40°C - +80°C
Bending radius min	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 FT1
Halogen free	According to DIN EN 60754-1
Approvals	UL AWM 20233 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
- 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 similar to RAL 2003

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

Part No.	Description No. of conductors	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*	9.0	0.354	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*	8.5	0.335	67	40
110940	(9×0.5) Conductor color according to DIN 47100	INK-0208*	8.8	0.346	84	50
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