

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 Allen-Bradley® 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

Nominal Voltage	1000V 80C AWM
Test voltage	3000V
Insulation resistance	Min. 200MΩ x km
Temperature range	Moving -25°C - +80°C Fixed -40°C - +80°C
Bending radius min	Moving 10 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 21223 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
- Green jacket similar to RAL 6018

Allen Bradley® is a registered trademark
Specifications are subject to change without prior notice

Part No.	Description No. of conductors	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
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For Allen-Bradley® System and similar

111488	(5x2xAWG22) BKWH/BK, RDWH/RD, GNWH/GN, GYWH/GY, OGWH/OG	9.2	0.362	72	36
111489	(2xAWG16+2xAWG22+ 6x2xAWG26) AWG16: GY, WHGY AWG22: OG, WHOG AWG26: BKWH/BK, RDWH/RD, GNWH/GN, BNWH/BN, YEWY/YE, BUWH/BU	10.8	0.425	121	81