

LUTZE SUPERFLEX® Plus (C) PUR Feedback, Shielded

High Flexing Feedback Cable for Allen-Bradley® and other Systems



Application

- Incremental encoder cable, termination cable for tachometer, brake sensor, speed sensor
- Full PUR jacket and special 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 technical information)
- Talc and Silicone free

Technical Data

UL-Approval	AWM 21223
Nominal Voltage	1000V 80°C
Test voltage	3000V
Insulation resistance	Min. 100MΩ x km
Temperature range	Moving -25°C - +80°C Fixed -40°C - +80°C
Minimum bending radius	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 FT 1
Halogen free	According to DIN EN 60754-1

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
- Green jacket RAL 6018

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

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

Part No.	Description No. of conductors incl. ground	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