

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

## High Flexing Feedback Resolver Cable for Various Systems



### Application

- Industrial shielded feedback, resolver cable for tacho sensor, brake sensor, speed sensor etc.
- 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
Maximum conductor capacitance	ca. 60pF/m
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

- 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 per DIN 47100
- Pairs individually shielded with foil and braid, and jacketed
- Layer pitch optimized
- Fleece wrap over cabled conductors
- Tinned copper braid shield, optical coverage ≥ 85 %
- Full PUR jacket, matte, adhesion-free surface
- Green jacket RAL 6018

Additional feedback cables for other systems available.

Please contact us for further information.

Specifications are subject to change without prior notice **1-800-447-2371**



[www.lutze.com](http://www.lutze.com)

Part No.	Description No. of conductors	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
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### Individual Pair Shielding

<b>111778</b>	(3x(2x0.25)) DIN 47100 TSP WHBN, GNYE, GYPK	9.6	0.378	91	46
<b>111779</b>	(4x(2x0.25)) DIN 47100 TSP WHBN, GNYE, GYPK, BURD	10.2	0.402	122	64

**TSP = Twisted  
Shielded Pair**