LUTZE SUPERFLEX® Plus (C) PUR Feedback, Shielded

High Flexing Feedback Cable for Siemens and other Systems

Application

- Incremental encoder cable, termination cable for tacho sensor, 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 20236
Voltage	30V 80°C
Test voltage	500V
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 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.

*Siemens and DRIVE-CLiQ are registered trademarks
Specifications are subject to change without prior notice

Part No.	Description No. of conductors incl. ground	Siemens Designation	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
For Siemens Standard Systems 6FX8000* and similar						
111412	(8×2×0.18) BK/BN, RD/OG, YE/GN, BU/VT, GY/WH, WHBK/WHBN, WHRD/WHOG, WHGN/WHYE	1BD11*	8.2	0.323	88	49
111456	(4×0.5+4×2×0.38) 0.5: WHBU, WHBK, WHRD, WHYE 0.38: BK/BN, RD/OG, GN/YE, BU/VT	1BD21*	9.4	0.370	89	58
111459	(2×(0.5)+3×(2×0.14)) (0.5): BK, RD 0.14: BK/BN, RD/OG, GN/YE	1BD31*	8.7	0.343	86	46
111458	(2×0.5+3×(2×0.14)+4×0.14) 0.5: BNBU, BNRD (0.14) BK/BN, RD/OG, GN/YE 0.14: BU, GY, WHBK, WHYE	1BD41*	8.6	0.339	82	41
111457	(2×0.5+3×(2×0.14)+4×0.23+4×0.14) 0.5: BNBU, BNRD 0.23: GNBK, GNRD, BNYE, BNGY (0.14) BK/BN RD/OG, YEGN 0.14: BU, GY, WHBK, WHYE	1BD51*	9.8	0.386	103	6.2
111453	(4×2×0.18) BK/BN, RD/OG, GN/YE, BU/VT	1BD61*	6.6	0.260	51	22
111452	(2×2×0.18) Star quad, BK, RD, OG, BN	1BD71*	5.1	0.201	28	15
111454	(12×0.23) BK, BN, RD, OG, GN, YE, BU, VT, GY, WH, WHBK, WHBN	1BD81*	7.4	0.291	57	32
For Siemens DRIVE-CLiQ Standard System* and similar						
104310	(2x2x0.15+1x2x0.34) 0.34: RD/BK 0.15: PK/BU, YE/GN	2DC00*	6.8	0.268	49	23