

# LUTZE SILFLEX® (C) TPE Feedback, Shielded

## Flexible Feedback Cable for Stationary Applications



### Application

- Incremental encoder cable and resolver cable for tach sensor, brake sensor, speed sensor
- Cable design for harsh industrial environments and operating conditions with high noise level
- Compliant with NFPA 79 requirements
- For Allen-Bradley® and other Systems
- Dry, damp and wet conditions

### Characteristics

- High protection against electromagnetic interference (EMI)
- Flexible for easy installation
- Specially formulated TPE jacket for superior oil resistance according to UL 1581
- Resistant to many mineral & vegetable based cutting oils
- Non-wicking fillers
- Extended temperature range and premium durability
- Sunlight resistant
- Talc and silicone free

### Technical Data

Nominal Voltage	
A1410001:	300V 105C PLTC 600V 90C AWM
A1410002:	300V 105C CM 600V 90C AWM
Test voltage	1.5 kV
Temperature range	-40°C to + 90°C static
Bending radius min	6 x cable OD static
Burning behavior	Flame retardant per UL Vertical Tray UL VW-1
Oil resistance	Oil Res I, Oil Res II
Approvals	UL AWM Style 20626 CE RoHS, REACH
Item specific approvals	
A1410001:	UL PLTC-ER, meets NEC 392, 725 Class I & II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 Crush impact resistant Gas/vapor tight sheath per UL 13
A1410002:	UL CM, meets NEC 392, 800

### Construction

- AWG conductor
- Flexible fine wire stranded tinned copper conductors
- Special PVC conductor insulation
- Conductors color-coded for specific system
- Shielded with foil tape, drain wire and tinned copper braid shield, optical coverage 85 %
- Extremely oil resistant TPE jacket
- Green jacket similar to RAL 6018

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

<b>A1410001</b>	(5x2xAWG22) BK/BKWH, RD/RDWH, GN/GNWH, GY/GYWH, OG/OGWH	10.0	0.395	102	40
<b>A1410002</b>	(1x2xAWG16+1x2xAWG22+ 6x2xAWG26) AWG16: GY/GYWH AWG22: OG/OGWH AWG26: BK/BKWH, RD/RDWH, GN/GNWH, BL/BLWH, BN/BNWH, YE/YEWH	11.8	0.465	143	54

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