

# LUTZE SILFLEX® (C) Tray-ER TPE, Shielded

## Flexible Premium TPE Control and Tray Cable for Stationary Applications



### Application

- Dual-shielded multi-conductor cable for tray applications, with exposed run (open wiring) approval
- Metal cutting equipment, machine tools, machine and plant construction, HVAC technology, assembly and production lines, and other industrial applications
- Compliant with NFPA 79 requirements
- TC-ER for use with cable trays without conduit, which can reduce installation costs in industrial environments
- WTTC – wind turbine tray cable rating for use in wind power generation
- Dry, damp and wet locations

### Characteristics

- Crush impact resistant
- Gas/vapor-tight sheath per UL 1277
- Cutting oil resistant - mineral & bio/vegetable based oils *specifically tested with plant based cutting oil*
- Non-wicking fillers
- Sunlight resistant
- Flame retardant
- Talc and silicone free

### Technical Data

Voltage	600V 90C TC-ER 1000V 90C WTTC 600V MTW 600V 105C AWM
Temperature range	-40°C - 105°C static
Bending radius min	6 x cable OD
Conductor marking	Black with white numbers and one green/yellow ground
Oil resistance	Oil Res I, Oil Res II
Approvals	UL Type TC-ER UL/CE UL AWM Style 21270 (UL) Type MTW or DP-1 WTTC Meets NEC 336, 392 Class I & II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 c(UL) TC and CIC FT4 UL1277 RoHS, REACH

### Construction

- AWG conductor
- Flexible fine wire stranded bare copper conductors
- PVC/Nylon insulation
- Shielded with foil tape, tinned copper braid and drain wire
- Extremely oil resistant TPE jacket
- Black jacket similar to RAL 9005

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
<b>AWG 18 (16/30)</b>					
A3311803	AWG18/03C	8.1	0.320	76	27
A3311804	AWG18/04C	8.8	0.345	87	36
A3311805	AWG18/05C	9.3	0.368	99	42
A3311807	AWG18/07C	10.0	0.395	116	54
A3311812	AWG18/12C	12.7	0.500	176	85
A3311818	AWG18/18C	15.5	0.609	264	127
A3311825	AWG18/25C	17.6	0.692	368	194
<b>AWG 16 (26/30)</b>					
A3311603	AWG16/03C	8.7	0.343	92	41
A3311604	AWG16/04C	9.4	0.370	106	51
A3311605	AWG16/05C	10.1	0.398	121	61
A3311607	AWG16/07C	10.9	0.430	149	80
A3311612	AWG16/12C	14.6	0.575	254	134
A3311618	AWG16/18C	16.9	0.664	353	191
A3311625	AWG16/25C	19.6	0.757	462	256
<b>AWG 14 (41/30)</b>					
A3311403	AWG14/03C	9.5	0.375	113	59
A3311404	AWG14/04C	10.3	0.405	133	74
A3311405	AWG14/05C	11.2	0.440	154	89
A3311407	AWG14/07C	12.1	0.475	200	117
A3311412	AWG14/12C	16.3	0.640	339	201
<b>AWG 12 (65/30)</b>					
A3311203	AWG12/03C	10.8	0.425	148	88
A3311204	AWG12/04C	11.7	0.460	179	111
A3311205	AWG12/05C	12.2	0.480	216	134
<b>AWG 10 (105/30)</b>					
A3311004	AWG10/04C	15.2	0.600	291	178