

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

Flexible Shielded Premium TPE Tray Cable with UL/TC-ER/WTTC/MTW/CE Approvals



Application

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

Characteristics

- Flexible design with Nylon for crush impact resistance per UL 1277 and easy installation
- Specially formulated TPE jacket for superior oil resistance
- Cutting oil resistant - mineral & bio/vegetable based oils *specifically tested with plant based cutting oil*
- Non-wicking fillers
- Sunlight resistant
- Direct burial
- UL Type TC-Exposed Run
- Talc and Silicone free

Technical Data

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

Construction

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

Part No.	Description No. of conductors incl. ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG 18 (16/30)					
A3311803	AWG18/03C	7.8	0.307	76	27
A3311804	AWG18/04C	8.2	0.323	87	36
A3311805	AWG18/05C	9.0	0.354	99	42
A3311807	AWG18/07C	9.6	0.379	116	54
A3311812	AWG18/12C	12.2	0.479	176	85
A3311818	AWG18/18C	14.9	0.588	264	127
A3311825	AWG18/25C	17.3	0.681	368	194
AWG 16 (26/30)					
A3311603	AWG16/03C	8.5	0.335	92	41
A3311604	AWG16/04C	9.0	0.354	106	51
A3311605	AWG16/05C	9.9	0.389	121	61
A3311607	AWG16/07C	10.6	0.418	149	80
A3311612	AWG16/12C	14.5	0.569	254	134
A3311618	AWG16/18C	16.6	0.655	353	191
A3311625	AWG16/25C	18.8	0.740	462	256
AWG 14 (41/30)					
A3311403	AWG14/03C	9.2	0.363	113	59
A3311404	AWG14/04C	9.9	0.391	133	74
A3311405	AWG14/05C	10.6	0.418	154	89
A3311407	AWG14/07C	11.6	0.457	200	117
A3311412	AWG14/12C	15.8	0.620	339	201
AWG 12 (65/30)					
A3311203	AWG12/03C	10.4	0.409	148	88
A3311204	AWG12/04C	11.1	0.437	179	111
A3311205	AWG12/05C	12.2	0.480	216	134
AWG 10 (105/30)					
A3311004	AWG10/04C	14.4	0.565	291	178

Specifications are subject to change without prior notice