

LÜTZE SILFLEX® (C) Tray-ER PVC, Shielded

Flexible Shielded 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
- 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 jacket for oil resistance
- Sunlight resistant
- Direct burial
- UL Type TC-Exposed Run
- Talc and Silicone free

Technical Data

| | |
|------------------------|--|
| Voltage | 600V UL TC 1000V WTTC |
| Temperature | -40°C - +90°C static |
| Minimum bending radius | 6 x cable OD |
| Conductor marking | Black with white numbers and one green/yellow ground |
| Oil resistance | Oil Res II |
| Approvals | UL Type TC-ER UL/CE UL AWM (UL) Type MTW or DP-1 WTTC Class 1, Div. 2 per NEC Art. 336, 392, 501 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
- Oil resistant PVC 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 (19/30) | | | | | |
| A3211803 | AWG18/03C | 7.9 | 0.310 | 68 | 30 |
| A3211804 | AWG18/04C | 8.7 | 0.343 | 84 | 38 |
| A3211805 | AWG18/05C | 9.1 | 0.357 | 94 | 44 |
| A3211807 | AWG18/07C | 10.0 | 0.395 | 119 | 58 |
| A3211812 | AWG18/12C | 12.8 | 0.505 | 187 | 91 |
| A3211818 | AWG18/18C | 15.5 | 0.610 | 266 | 131 |
| A3211825 | AWG18/25C | 18.0 | 0.710 | 360 | 177 |
| AWG 16 (26/30) | | | | | |
| A3211603 | AWG16/03C | 8.8 | 0.345 | 87 | 39 |
| A3211604 | AWG16/04C | 9.4 | 0.370 | 99 | 49 |
| A3211605 | AWG16/05C | 10.2 | 0.400 | 116 | 57 |
| A3211607 | AWG16/07C | 10.8 | 0.425 | 144 | 75 |
| A3211612 | AWG16/12C | 14.0 | 0.550 | 227 | 121 |
| A3211618 | AWG16/18C | 16.9 | 0.665 | 326 | 174 |
| A3211625 | AWG16/25C | 19.6 | 0.770 | 441 | 233 |
| AWG 14 (41/30) | | | | | |
| A3211403 | AWG16/03C | 9.4 | 0.370 | 109 | 57 |
| A3211404 | AWG16/04C | 10.3 | 0.406 | 128 | 74 |
| A3211405 | AWG16/05C | 11.1 | 0.435 | 155 | 85 |
| A3211407 | AWG16/07C | 12.2 | 0.480 | 198 | 113 |
| A3211412 | AWG16/12C | 16.1 | 0.635 | 315 | 182 |

Also see **Driveflex® A216** cable series with **four (4)** conductor configuration, PVC Shielded, 0.6/1kV VFD Motor cable, TC-ER rated.