

Lutze Silflex® Tray-ER PVC, Unshielded

Flexible Tray Cable with UL/TC-ER/WTTC/MTW/CSA/CE Approvals



Application

- 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
- Non-wicking fillers
- Sunlight resistant
- Direct burial
- UL Type TC-Exposed Run
- Talc free
- Silicone free

Technical Data

| | |
|-------------------|---|
| Voltage | 600V UL TC 1000V WTTC |
| Temperature | -40°C - +90°C static |
| Bending radius | 4 x cable OD |
| Conductor marking | Black with white numbers and one green/yellow ground |
| Approvals | UL Type TC-ER UL/CSA/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 Oil Res II RoHS |

Construction

- Flexible fine wire stranded bare copper conductors
- PVC/Nylon insulation / THHN – THWN
- Oil resistant black PVC jacket

| 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) | | | | | |
| A3221803 | 3 | 7.5 | 0.296 | 52 | 18 |
| A3221804 | 4 | 8.1 | 0.320 | 63 | 24 |
| A3221805 | 5 | 8.8 | 0.346 | 74 | 30 |
| A3221807 | 7 | 9.5 | 0.373 | 96 | 42 |
| A3221812 | 12 | 12.1 | 0.477 | 152 | 72 |
| A3221818 | 18 | 14.9 | 0.587 | 233 | 108 |
| A3221825 | 25 | 17.2 | 0.677 | 305 | 150 |
| AWG 16 (26/30) | | | | | |
| A3221602 | 2 | 7.9 | 0.311 | 53 | 16 |
| A3221603 | 3 | 8.1 | 0.321 | 66 | 24 |
| A3221604 | 4 | 8.7 | 0.347 | 79 | 32 |
| A3221605 | 5 | 9.5 | 0.377 | 92 | 40 |
| A3221607 | 7 | 12.2 | 0.406 | 119 | 57 |
| A3221609 | 9 | 12.0 | 0.473 | 159 | 74 |
| A3221612 | 12 | 13.4 | 0.527 | 189 | 98 |
| A3221618 | 18 | 16.4 | 0.647 | 292 | 147 |
| A3221625 | 25 | 19.0 | 0.748 | 381 | 204 |
| AWG 14 (41/30) | | | | | |
| A3221403 | 3 | 8.8 | 0.348 | 83 | 38 |
| A3221404 | 4 | 9.6 | 0.378 | 102 | 51 |
| A3221405 | 5 | 10.4 | 0.410 | 122 | 64 |
| A3221407 | 7 | 11.3 | 0.445 | 159 | 89 |
| A3221409 | 9 | 13.1 | 0.516 | 204 | 115 |
| A3221412 | 12 | 15.5 | 0.610 | 280 | 154 |
| AWG 12 (65/30) | | | | | |
| A3221203 | 3 | 9.8 | 0.382 | 121 | 63 |
| A3221204 | 4 | 11.1 | 0.437 | 143 | 83 |
| A3221205 | 5 | 12.1 | 0.475 | 176 | 105 |
| A3221207 | 7 | 14.1 | 0.556 | 253 | 147 |
| AWG 10 (105/30) | | | | | |
| A3221003 | 3 | 12.6 | 0.495 | 171 | 79 |
| A3221004 | 4 | 14.6 | 0.573 | 241 | 130 |
| A3221005 | 5 | 15.8 | 0.623 | 283 | 162 |
| AWG 8 (168/30) | | | | | |
| A3220804 | 4 | 18.9 | 0.744 | 395 | 214 |
| A3220805 | 5 | 22.4 | 0.874 | 452 | 268 |
| AWG 6 (266/30) | | | | | |
| A3220604 | 4 | 21.7 | 0.853 | 551 | 339 |
| A3220605 | 5 | 24.1 | 0.949 | 673 | 425 |
| AWG 4 (413/30) | | | | | |
| A3220404 | 4 | 27.9 | 1.098 | 514 | 514 |
| AWG 2 (665/30) | | | | | |
| A3220204 | 4 | 32.3 | 1.272 | 1305 | 874 |
| AWG 1 (836/30) | | | | | |
| A3220103 | 3 | 32.9 | 1.293 | 1217 | 817 |

Specifications are subject to change without prior notice