

LUTZE Electronic PLTC (C) PVC, Shielded

Flexible Electronic Cable for Stationary Applications



Application

- Dual-shielded multi-conductor industrial grade PLTC electronic cable
- Machine tools, machine and plant construction, HVAC technology, assembly and production lines, process instrumentation and controls
- Compliant with NFPA 79 requirements
- PLTC for installation in cable trays

Characteristics

- Flexible for easy installation
- Easy strip design
- Color coded conductors
- Specially formulated jacket for oil resistance
- Premium durability
- Extended temperature range
- Sunlight resistant
- Gas/vapor-tight sheath per UL 13
- Talc and silicone free

Technical Data

| | |
|--------------------|--|
| Voltage | 300V |
| Temperature range | -40°C - +105°C |
| Bending radius min | 4 x cable OD |
| Conductor marking | See tables |
| Burning behavior | Flame retardant per UL VW-1, FT4 |
| Oil resistance | Oil Res II |
| Approvals | UL Type PLTC UL Type CM AWM 2464 80C 300V AWM II A/B CE Meets NEC 392, 725, 800 Class I & II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 (PLTC Use Only) UL 13 RoHS, REACH |

Construction

- AWG conductor
- Flexible fine wire stranded tinned copper conductors
- SR-PVC insulation
- Shielded with foil tape, tinned copper braid and drain wire
- Oil resistant premium PVC jacket
- Gray jacket similar to RAL 7001

Specifications are subject to change without prior notice

| Part No. | Description No. of conductors | OD / Ø ca. mm | OD / Ø inches | Weight Lbs/Mft | Copper Lbs/Mft |
|-----------------------|----------------------------------|------------------|------------------|-------------------|-------------------|
| AWG 22 (19/34) | | | | | |
| A3132202 | AWG22/2C | 5.0 | 0.197 | 27 | 11 |
| A3132203 | AWG22/3C | 5.2 | 0.205 | 32 | 15 |
| A3132204 | AWG22/4C | 5.5 | 0.218 | 37 | 18 |
| A3132206 | AWG22/6C | 6.3 | 0.247 | 47 | 24 |
| A3132208 | AWG22/8C | 6.7 | 0.263 | 55 | 30 |
| A3132210 | AWG22/10C | 7.7 | 0.303 | 67 | 36 |
| A3132215 | AWG22/15C | 8.6 | 0.338 | 88 | 50 |
| A3132220 | AWG22/20C | 9.4 | 0.369 | 109 | 62 |
| A3132225 | AWG22/25C | 10.7 | 0.423 | 137 | 77 |
| AWG 20 (19/32) | | | | | |
| A3132002 | AWG20/2C | 5.6 | 0.221 | 35 | 17 |
| A3132003 | AWG20/3C | 5.8 | 0.230 | 42 | 22 |
| A3132004 | AWG20/4C | 6.2 | 0.246 | 48 | 27 |
| A3132006 | AWG20/6C | 7.2 | 0.284 | 64 | 37 |
| A3132008 | AWG20/8C | 7.7 | 0.302 | 76 | 46 |
| A3132010 | AWG20/10C | 8.7 | 0.343 | 91 | 55 |
| A3132015 | AWG20/15C | 10.3 | 0.404 | 128 | 76 |
| A3132020 | AWG20/20C | 11.5 | 0.454 | 157 | 97 |
| A3132025 | AWG20/25C | 12.2 | 0.481 | 189 | 118 |
| AWG 18 (19/30) | | | | | |
| A3131802 | AWG18/2C | 5.9 | 0.233 | 44 | 27 |
| A3131803 | AWG18/3C | 6.2 | 0.243 | 53 | 34 |
| A3131804 | AWG18/4C | 6.7 | 0.262 | 62 | 41 |
| A3131806 | AWG18/6C | 7.9 | 0.311 | 85 | 55 |
| A3131808 | AWG18/8C | 8.4 | 0.332 | 102 | 68 |
| A3131810 | AWG18/10C | 9.6 | 0.379 | 123 | 83 |
| A3131815 | AWG18/15C | 11.4 | 0.447 | 175 | 117 |
| A3131820 | AWG18/20C | 12.4 | 0.488 | 217 | 150 |
| A3131825 | AWG18/25C | 13.6 | 0.535 | 260 | 182 |
| AWG16 (26/30) | | | | | |
| A3131602 | AWG16/2C | 7.3 | 0.288 | 59 | 32 |
| A3131603 | AWG16/3C | 7.7 | 0.302 | 68 | 40 |
| A3131604 | AWG16/4C | 8.3 | 0.325 | 81 | 49 |
| A3131606 | AWG16/6C | 9.6 | 0.378 | 111 | 68 |
| A3131608 | AWG16/8C | 10.9 | 0.428 | 143 | 86 |
| A3131610 | AWG16/10C | 12.4 | 0.490 | 175 | 105 |
| A3131615 | AWG16/15C | 14.0 | 0.553 | 237 | 149 |
| A3131620 | AWG16/20C | 16.0 | 0.628 | 308 | 192 |
| A3131625 | AWG16/25C | 17.5 | 0.690 | 371 | 236 |

Color Code Table AWG 22

| | |
|-----------|--------------|
| 1- BK | 13- WH/RD |
| 2- BN | 14- WH/OG |
| 3- RD | 15- WH/YE |
| 4- OG | 16- WH/GN |
| 5- YE | 17- WH/BU |
| 6- GN | 18- WH/VT |
| 7- BU | 19- WH/GY |
| 8- VT | 20- WH/BK/BN |
| 9- GY | 21- WH/BK/RD |
| 10- WH | 22- WH/BK/OG |
| 11- WH/BK | 23- WH/BK/YE |
| 12- WH/BN | 24- WH/BK/GN |
| | 25- WH/BK/BU |

Color Code Table AWG 20, 18 & 16

| | |
|--------|--------------|
| 1- BK | 13- RD/GN |
| 2- RD | 14- RD/YE |
| 3- WH | 15- RD/BK |
| 4- GN | 16- WH/BK |
| 5- OG | 17- WH/RD |
| 6- BU | 18- WH/GN |
| 7- BN | 19- WH/YE |
| 8- YE | 20- WH/BU |
| 9- VT | 21- WH/BN |
| 10- GY | 22- WH/OG |
| 11- PK | 23- WH/GY |
| 12- TN | 24- WH/VT |
| | 25- WH/BK/RD |