

LUTZE Electronic PLTC PVC, Unshielded

Flexible Electronic Cable with UL/CE/PLTC Approvals



Application

- **Industrial grade PLTC** electronic cable for machine tools, process instrumentation and controls, computer peripherals, HVAC technology, assembly and production lines, low voltage interconnect and other industrial applications including **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
- **UL listed** and **NFPA 79** compliant
- Talc and Silicone free

Technical Data

| | |
|------------------------|--|
| Voltage | 300V |
| Temperature | -40°C - +105°C |
| Minimum bending radius | 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 Style 2464 AWM II A/B CE Meets NEC 725, 760, 800 Class I, II Div. 2 per NEC Art. 336, 392, 501, 502 (PLTC use only) RoHS REACH |

Construction

- AWG conductor
- Flexible fine wire stranded tinned copper conductors
- SR-PVC insulation
- 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) | | | | | |
| A3032202 | AWG22/2C | 4.4 | 0.173 | 17 | 4 |
| A3032203 | AWG22/3C | 4.6 | 0.181 | 21 | 7 |
| A3032204 | AWG22/4C | 4.9 | 0.194 | 26 | 9 |
| A3032206 | AWG22/6C | 5.7 | 0.223 | 33 | 14 |
| A3032208 | AWG22/8C | 6.2 | 0.243 | 42 | 19 |
| A3032210 | AWG22/10C | 7.2 | 0.283 | 53 | 24 |
| A3032215 | AWG22/15C | 8.1 | 0.318 | 70 | 35 |
| A3032220 | AWG22/20C | 9.0 | 0.353 | 90 | 47 |
| A3032225 | AWG22/25C | 10.3 | 0.407 | 117 | 59 |
| AWG 20 (19/32) | | | | | |
| A3032002 | AWG20/2C | 5.0 | 0.195 | 21 | 7 |
| A3032003 | AWG20/3C | 5.2 | 0.204 | 27 | 11 |
| A3032004 | AWG20/4C | 5.6 | 0.220 | 33 | 15 |
| A3032006 | AWG20/6C | 6.5 | 0.254 | 45 | 22 |
| A3032008 | AWG20/8C | 7.2 | 0.282 | 58 | 30 |
| A3032010 | AWG20/10C | 8.2 | 0.323 | 72 | 37 |
| A3032015 | AWG20/15C | 9.2 | 0.364 | 99 | 56 |
| A3032020 | AWG20/20C | 10.7 | 0.420 | 134 | 75 |
| A3032025 | AWG20/25C | 11.7 | 0.461 | 163 | 94 |
| AWG 18 (19/30) | | | | | |
| A3031802 | AWG18/2C | 5.4 | 0.213 | 27 | 12 |
| A3031803 | AWG18/3C | 5.7 | 0.223 | 35 | 18 |
| A3031804 | AWG18/4C | 6.1 | 0.242 | 43 | 24 |
| A3031806 | AWG18/6C | 7.4 | 0.291 | 63 | 36 |
| A3031808 | AWG18/8C | 7.9 | 0.312 | 79 | 49 |
| A3031810 | AWG18/10C | 9.1 | 0.359 | 97 | 61 |
| A3031815 | AWG18/15C | 10.8 | 0.427 | 145 | 91 |
| A3031820 | AWG18/20C | 11.9 | 0.468 | 185 | 121 |
| A3031825 | AWG18/25C | 13.1 | 0.515 | 226 | 152 |
| AWG16 (26/30) | | | | | |
| A3031602 | AWG16/2C | 6.5 | 0.257 | 36 | 16 |
| A3031603 | AWG16/3C | 6.9 | 0.271 | 48 | 24 |
| A3031604 | AWG16/4C | 7.7 | 0.304 | 62 | 32 |
| A3031606 | AWG16/6C | 9.1 | 0.357 | 89 | 49 |
| A3031608 | AWG16/8C | 10.3 | 0.407 | 119 | 65 |
| A3031610 | AWG16/10C | 11.9 | 0.469 | 149 | 81 |
| A3031615 | AWG16/15C | 13.5 | 0.532 | 207 | 122 |
| A3031620 | AWG16/20C | 14.9 | 0.587 | 264 | 163 |
| A3031625 | AWG16/25C | 17.0 | 0.669 | 336 | 204 |

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 |