



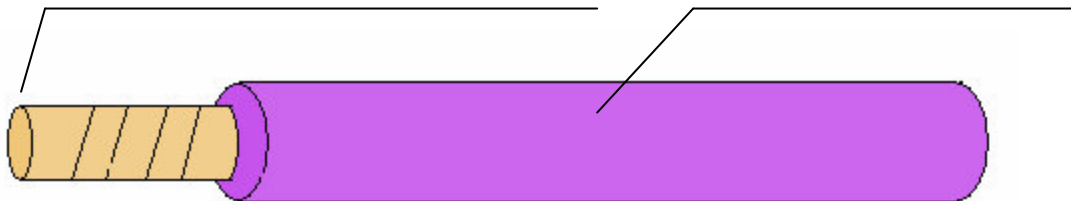
China Sanew Cable Co., Ltd.

UL1643 High Temperature ETFE Insulated Wire

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| <p>Product Features: UL1643 High Temperature ETFE Insulated Wire is resistant to acids, alkalies, oils, flame retardant, fire, and low smoke, no halogen. And the conductor is solid or stranded silver-plated copper or tinned copper conductor, 10 ~ 36 AWG. The insulation is color-coded ETFE which has standard thickness, and is easy stripping and cutting.</p> | <p>The applications: UL1643 High Temperature ETFE Insulated Wire is widely applied in aviation; metallurgy and petroleum industry as well as applied in other products such as: electronic instrument & device, electrical appliance, leads for transformer & electrical motor.</p> |
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Silver-plated copper or tinned copper

ETFE Teflon Insulation



TECHNICAL DATA:

| | |
|-----------------------------|--|
| Conductor: | Silver-plated Copper or Tinned copper |
| Insulation: | FEP |
| Temperature Rating: | -80°C to +150°C |
| Operating Voltage: | 300V |
| Conductor stranding: | Please look the next page. |
| Color Code | According to clients |
| Approvals: | According to VDE, UL |

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UL1643 High Temperature ETFE Insulated Wire

| Size AWG | Conductor | | Insulation | | Maximum Resistance at 20°C Ω /km | Current 170 °C-AMR |
|-------------|-----------------------------------|---------------------------|--------------------------|-------------------------|---|-----------------------|
| | Conductor stranding No. /mm | Conductor Dia. (mm) | Nominal Thick (mm) | Nominal Dia. (mm) | | |
| 36 | 1/0.14 | | | | | |
| | 7/0.05 | 0.14 | 0.20 | 0.50±0.05 | 997 | 0.3 |
| 34 | 1/0.16 | 0.16 | | | | |
| | 7/0.06 | 0.18 | 0.20 | 0.52±0.08 | 758 | 0.4 |
| 32 | 1/0.20 | 0.20 | | | | |
| | 7/0.08 | 0.24 | 0.20 | 0.55±0.08 | 586 | 0.6 |
| 30 | 1/0.254 | 0.25 | | | | |
| | 7/0.10 | 0.30 | 0.20 | 0.60±0.08 | 408 | 0.8 |
| 28 | 1/0.32 | 0.32 | | 0.82±0.08 | 232 | |
| | 7/0.12 | 0.39 | 0.25 | 0.85±0.08 | 223 | 1.0 |
| 26 | 1/0.40 | 0.40 | | | 145 | |
| | 7/0.16 | 0.45 | 0.25 | 0.95±0.08 | 138 | 1.6 |
| 24 | 1/0.50 | 0.50 | | 1.10±0.08 | | |
| | 7/0.20 | 0.60 | 0.31 | 1.20±0.08 | 90.4 | 3.0 |
| 22 | 1/0.64 | 0.64 | | 1.25±0.11 | | |
| | 7/0.254 | 0.76 | | 1.40±0.11 | | |
| | 19/0.16 | 0.80 | 0.31 | 1.40±0.11 | 50.8 | 5.0 |
| 20 | 1/0.80 | 0.80 | | 1.40±0.11 | | |
| | 7/0.32 | 0.96 | | 1.60±0.11 | | |
| | 19/0.19 | 0.95 | 0.31 | 1.60±0.11 | 33.6 | 7.0 |
| 18 | 1/1.0 | 1.0 | | 1.78±0.11 | | |
| | 7/0.40 | 1.20 | | 1.80±0.11 | | |
| | 19/0.24 | 1.20 | 0.31 | 1.80±0.11 | 24.6 | 11 |
| 16 | 19/0.30 | 1.50 | 0.35 | 2.20±0.16 | 16.6 | 18 |
| 14 | 19/0.37 | 1.85 | 0.35 | 2.55±0.16 | 9.5 | 22 |
| 12 | 19/0.49 | 2.60 | 0.35 | 3.30±0.20 | 5.7 | 30 |
| 10 | 37/0.45 | 3.15 | 0.35 | 3.85±0.20 | 3.95 | 45 |

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