



Okonite-Okolon TS-CPE® Traction Cable 2000V

Single Copper Conductor/90°C



- A Uncoated, Stranded Copper Conductor
- B Insulation - Okonite
- C Jacket - Okolon TS-CPE

Insulation

Okonite EPR® insulation is a heat, moisture and chemical resistant, mechanically rugged compound. The insulation thickness is in accordance with ICEA S-95-658, Table 3-4 Column A.

Jackets and Finished

The Okolon TS-CPE thermoset chlorinated polyethylene jacket applied with this cable provides excellent resistance to mechanical abuse, flame, weathering most oils, acids and alkalis.

Applications

Okonite DC Traction cables are designed for superior aging and higher reliability characteristics for electric railroad service in damp brackish locations including direct buried and other underground installations subject to vibration of train operation.

Specifications

Conductor: Uncoated copper stranded per B-3. Optional coated copper stranded conductors per ASTM B-33 are also available.

Insulation: Meets or exceeds all requirements of AREMA Signal Manual Part 10.3.19 and ICEA S-95-658.

Jacket: Thermoset Chlorinated Polyethylene (TS-CPE), meets the requirement of AREMA Signal Manual Part 10.3.20 and ICEA S-95-658.

Product Features

- Extreme heat resistance.
- 90°C Continuous Rating
130°Emergency overheat rating
250°C Short circuit rating.
- Mechanically rugged.
- Exceptional resistance to deformation and cut through at high temperatures.
- Excellent Flame Resistance meets the ICEA T-30-520, IEEE 383 and IEEE 1202 vertical tray flame test.
- Resistant to oils, weather and most chemicals and alkalis.
- Stable chemical properties at high temperature.
- Voltage rating: 2000 volts.
- 600V, 1000V, 2400V and 5000V cables also available.

Okonite-Okolon TS-CPE Traction Cable

2000V

One Copper Conductor/90°C Rating

Product Data Section 7: Sheet 16

| Catalog Number | Size kcmil | No. of Strands | Nominal Insulation Thickness (Mils) | Jacket Thickness (Mils) | Approx. O.D. (In.) | Approx. Net Wt. Lbs./M' | Approx. Ship. Wt. Lbs./M' |
|----------------|------------|----------------|-------------------------------------|-------------------------|--------------------|-------------------------|---------------------------|
| 113-12-2840 | 500 | 61 | 105 | 65 | 1.16 | 1874 | 1963 |
| 113-12-2844 | 750 | 91 | 120 | 65 | 1.38 | 2746 | 2846 |
| 113-12-2848 | 1000 | 91 | 120 | 95 | 1.59 | 3670 | 3847 |
| 113-12-2852 | 2000 | 169 | 140 | 95 | 2.09 | 7105 | 7664 |