



Product Data

Section 7: Sheet 15

Okonite - Okoclear Low Smoke Traction Cable

2000V

Single Copper Conductor/90°C Rating



A Bare, Stranded Copper Conductors

B Composite Okonite-Okoclear Insulation

Insulation

Okonite EPR?insulation is a heat, moisture and chemical resistant, mechanically rugged zero halogenated compound. The insulation thickness for 500 kcmil (negative return) and for 2000 kcmil (positive) is 12/64"

Jackets and Finishes

The thermoset jacket supplied with this cable is a zero halogen - low smoke material. It will provide excellent resistance to mechanical abuse, flame, weathering, most oils, acids and alkalies.

Applications

Okonite DC traction cables with low smoke, zero halogen jackets are designed for tunnel and other below grade installations where these features are required. They are also designed for superior aging, and high reliability characteristics.

Specifications

Conductors: Bare copper stranded per ASTM specification B-3. Optional coated copper stranded conductors per ASTM specification 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: Meets thickness requirements of AREMA Signal Manual Part 10.3.13 and ICEA S-95-658.

Product Features

- Low smoke - zero halogen construction.
- Insulating - non-halogenated Okonite proprietary EPR.
- Extreme heat resistance.
- 90°C Continuous Rating
- 130°C Emergency Overload Rating
- 300°C Short Circuit Rating.
- Mechanically Rugged.
- Exceptional resistance to deterioration and cut through at high temperatures.
- Meets the ICEA T-30-520 and IEEE 383 vertical tray flame test.
- Sunlight Resistant.
- Resistant to oils, weather and most chemical and alkalies.
- Stable electrical properties at high temperatures.
- Voltage rating - 2000 Volts.

Okonite Insulation: 12/64" (0.188)						
1-Catalog Number			5-Approx. O.D. (In.)			
2-Size kcmil			6-Approx. Net Wt. Lbs./M'			
3-No. of Strands			7-Approx. Ship Wt. Lbs./M'			
4-Jacket Thickness (mils)						
1	2	3	4	5	6	7
113-12-2842	500	61	65	1.35	2079	2199
113-12-2846	750	91	65	1.55	2941	3091
113-12-2850	1000	91	95	1.76	3937	4177
113-12-2854	2000	169	95	2.23	7209	7744

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