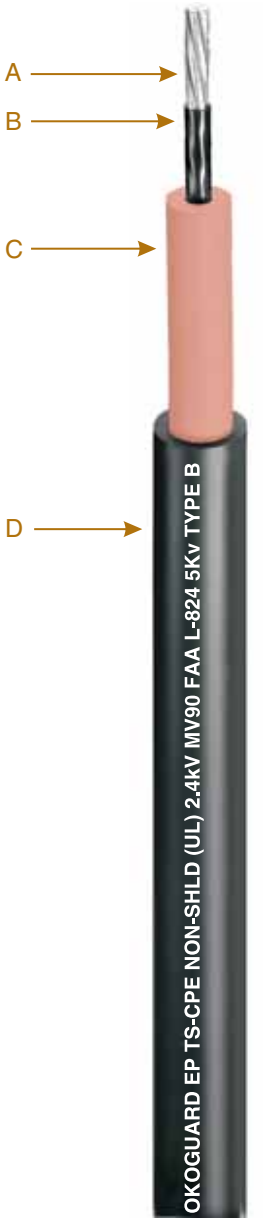
Okoguard®-Okolon® TS-CPE 5kV Airport Lighting Cable*

FAA-L-824 Type B

One Okopact (Compact Stranded) Copper Conductor/90°C Dry Rating



A Uncoated, Okopact (Compact Stranded) Copper Conductor
B Strand Screen-Extruded Semiconducting EPR
C Insulation-Okoguard EPR
D Jacket-Okolon TS-CPE

Insulation

Okoguard is Okonite's registered trade name for its exclusive medium voltage grade ethylene-propylene rubber (EPR) based, thermosetting compound, whose optimum balance of electrical and physical properties is unequaled in other solid dielectrics. Okoguard insulation, with the distinctive red color and a totally integrated EPR system, provides the optimum balance for long, problem free service.

Jacket

The Okolon TS-CPE jacket on this cable is a vulcanized chlorinated polyethylene based compound which is mechanically rugged, flame, and oil resistant.

Applications

Okoguard-Okolon TS-CPE cables are nonshielded cables designed for use at up to 5kV in dry airport lighting applications. Okoguard-Okolon TS-CPE nonshielded airport lighting cables are recommended for use in series lighting circuits for runways and control systems. Cables can be installed in metallic or non-metallic conduit.

Specifications

Meets or exceeds the requirements of FAA Advisory Circular AC 150/5345-7F.

Conductor: Annealed uncoated copper compact Class B stranded per ASTM B-496.

Strand Screen: Extruded semiconducting EPR strand screen. Meets or exceeds electrical and physical requirements of ICEA S-96-659/NEMA WC71.

Insulation: Meets or exceeds electrical and physical requirements of ICEA S-96-659/NEMA WC71. Insulation thickness per Table 4-3 for dry applications.

Jacket: Meets or exceeds electrical and physical requirements of ICEA S-96-659/NEMA WC71 for chlorinated polyethylene jackets.

Product Features

- Resistant to runway and wing de-icers
- 90°C Continuous Rating, 130°C Emergency Overload Rating, 250°C Short Circuit Rating
- Exceptional resistance to surface tracking
- Superior Flexibility
- Excellent corona resistance
- Stress cones not required
- Resistant to most oils, acids, and alkalies

*Applications governed by the National Electrical Code limit non-shielded cable to 2.4kV

Catalog Number	Conductor** Size AWG — mm²		Insulation Thickness mils — mm		Jacket Thickness mils — mm		Approx. O.D. inches — mm		Approx. Net Wt. Lbs./1000'	Approx. Ship Wt. Lbs./1000'
114-24-2425	8	8.4	90	2.29	30	0.76	0.43	10.9	130	140
114-24-2430	6	13.3	90	2.29	30	0.76	0.47	11.8	165	175

****Class C stranded conductors** are available.

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