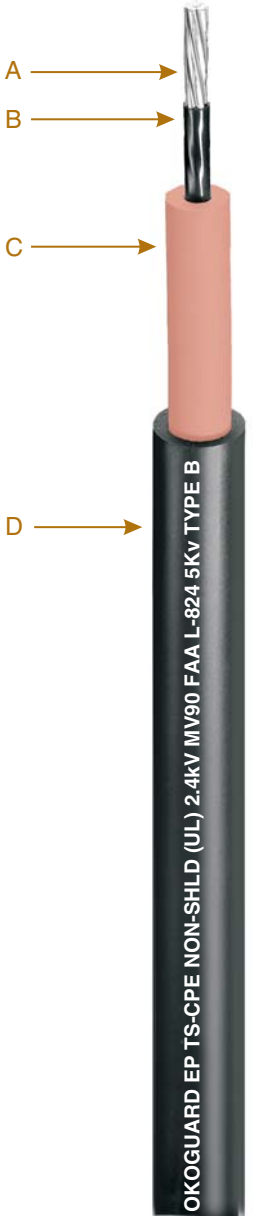
# Okoguard®-Okolon® TS-CPE 5kV Airport Lighting Cable*

## 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 |
| 114-24-2435 | 4 | 21.2 | 90 | 2.29 | 30 | 0.76 | 0.51 | 12.9 | 235 | 270 |

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



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