Okoguard®-Okolon® TS-CPE
5kV Airport Lighting Cable*
FAA-L-824 Type B
One Okopact (Compact Stranded) Copper Conductor/90°C Rating Wet or Dry

**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 heavy duty nonshielded cables designed for use at up to 5kV in wet or 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, directly buried or aerial application.

**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 wet or 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
- Constructed for “wet” location applications
- 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.

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**Table: Okoguard-Okolon TS-CPE Cable Specifications**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Conductor Size</th>
<th>Insulation Thickness</th>
<th>Jacket Thickness</th>
<th>APPROX. O.D.</th>
<th>APPROX. NET WT.</th>
<th>APPROX. SHIP WT.</th>
</tr>
</thead>
<tbody>
<tr>
<td>114-24-2213</td>
<td>8 AWG — 8.4 mm²</td>
<td>125 mils — 3.18 mm</td>
<td>80 mils — 3.18 mm</td>
<td>0.60 inches — 15.1</td>
<td>215 Lbs./1000’</td>
<td>250 Lbs./1000’</td>
</tr>
<tr>
<td>114-24-2217</td>
<td>6 AWG — 13.3 mm²</td>
<td>125 mils — 3.18 mm</td>
<td>80 mils — 3.18 mm</td>
<td>0.63 inches — 16.0</td>
<td>260 Lbs./1000’</td>
<td>295 Lbs./1000’</td>
</tr>
</tbody>
</table>

*Authorized stock item. Available from our Customer Service Centers.

**Class C stranded conductors** are available.