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

Insulation
Okoguard is Okonite’s registered trade name for its exclusive medium voltage grade ethyl-
ene-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 air-
port 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 semiconduct-
ing 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 thick-
ess 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 alkalis

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

**Class C stranded conductors are available.

<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. Lbs./1000'</th>
<th>Approx. Ship Wt. Lbs./1000'</th>
</tr>
</thead>
<tbody>
<tr>
<td>114-24-2425</td>
<td>8</td>
<td>8.4</td>
<td>90</td>
<td>0.76</td>
<td>0.43</td>
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<td>0.76</td>
<td>0.47</td>
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*A/14080608