FAA-L-824 Type C Airport Lighting Power Cable
Single conductor / 8, 6 and 4 AWG / 5000 volt / XLPE insulation / shield / PVC jacket

Applications
These are single conductor 5000 volt shielded power cables suitable for underground installation for use as airport lighting circuits per FAA L-824 Type C and listed in the FAA AC 150/5345-53 Appendix 3. They are rated for use at 90°C in wet or dry conditions.

FAA L-824 cables are suitable for use in conduit, duct, aerial and direct burial installations up to 5000 volts. The PVC jacket offers additional protection from de-icing fluids. Copper shielding provides protection against EMI.

Draka’s airport lighting cables have been certified as 100% Buy American by the FAA.

Features
1. CONDUCTOR
Class B or C, soft drawn bare or tinned copper, stranded to ASTM B3 or ASTM B33.

2. INSULATION SYSTEM
Extruded semi-conducting crosslinked polyethylene (XLPE) applied over the conductor. Heat and moisture resistant crosslinked polyethylene (XLPE) insulation. Semi-conducting tape (10 mils) helically applied over the insulation, printed “SEMI-CONDUCTING REMOVE BEFORE SPLICING OR TERMINATING.”

3. SHIELD
Helically-applied 5 mil bare copper tape applied directly over the insulation system.

4. JACKET
PolyVinyl Chloride (PVC) compound in accordance with ICEA S-93-639 / NEMA WC74.

Ratings and Approvals
FAA Advisory Circular 150/5345-7E
Airport Lighting Equipment Certification Program per AC150/5345-53 Appendix 3 Underground Electrical Cable for Airport Lighting Circuits per spec L-824 Type C
ICEA S-93-639 / NEMA WC74
UL-1072 Type MV-90

www.drakausa.com
# FAA-L-824 Type C Airport Lighting Power Cable

Single conductor / 8, 6 and 4 AWG / 5000 volt / XLPE insulation / shield / PVC jacket

<table>
<thead>
<tr>
<th>Part Number</th>
<th>AWG</th>
<th>Strand</th>
<th>Semi-Conducting Layer mils (mm)</th>
<th>Insulation System Semi-Conducting Layer mils (mm)</th>
<th>Outer Diameter in (mm)</th>
<th>Max Sidewall Pressure per Radius of Bend lb/ft (N/m)</th>
<th>Max Pulling Tension lb (N)</th>
<th>Minimum Bend Radius</th>
<th>Weight lb/1000’ (kg/km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>032632XX</td>
<td>8</td>
<td>7 or 19</td>
<td>12 (0.30)</td>
<td>85 (2.16)</td>
<td>10 (0.25)</td>
<td>0.565 (14.3)</td>
<td>300 (4374)</td>
<td>132 (587)</td>
<td>6.8 (173)</td>
</tr>
<tr>
<td>032633XX</td>
<td>6</td>
<td>7 or 19</td>
<td>12 (0.30)</td>
<td>85 (2.16)</td>
<td>10 (0.25)</td>
<td>0.605 (15.4)</td>
<td>300 (4374)</td>
<td>210 (934)</td>
<td>7.3 (185)</td>
</tr>
<tr>
<td>032634XX</td>
<td>4</td>
<td>7 or 19</td>
<td>12 (0.30)</td>
<td>85 (2.16)</td>
<td>10 (0.25)</td>
<td>0.668 (17.0)</td>
<td>300 (4374)</td>
<td>335 (1490)</td>
<td>8.0 (203)</td>
</tr>
</tbody>
</table>

Substitute XX in Part Number for two-letter color code, i.e. BK - Black, RD - Red, etc.

The data herein is approximate and subject to normal manufacturing tolerances.

Information is subject to change without notice. Consult factory for a variety of alternate constructions for specific applications.

Available colors:
- Black BK □
- Blue BL □
- Green GN □
- Orange OR □
- Red RD □
- White WH □