



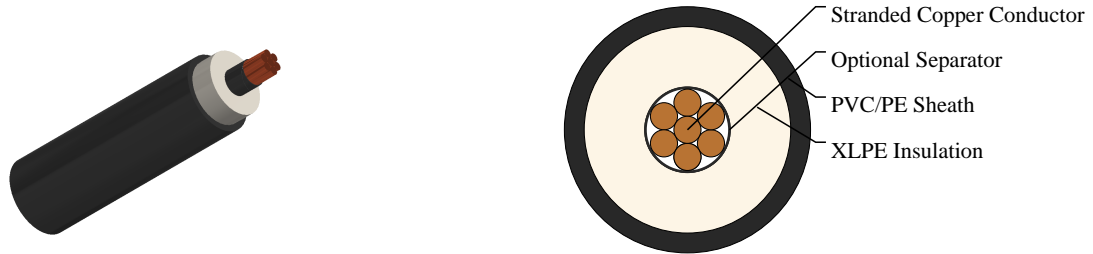
Caledonian

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FAA L-824 Type C Sheathed 5kV 1C6



APPLICATIONS

These cables are used for interconnecting the transformers and the current regulator of airfield lighting systems in series circuits, suitable for fixed applications such as taxiways, runways, navigational aids, and obstruction lighting, can be installed in conduit and direct burial.

STANDARDS

FAA L-824 Type C

ICEA S-96-659/NEMA WC71

CABLE CONSTRUCTION

Conductor: Stranded bare copper to ASTM B3 and ASTM B8.

Optional Separator: Optional separator or conductor shield be applied.

Insulation: XLPE.

Sheath: PE/PVC.

PHYSICAL AND THERMAL PROPERTIES

Rated Voltage U_0/U (Um):5kV

Maximum Conductor Temperature:90°C

Short Circuit Temperature:250°C

Operating Temperatures:-40°C~+90°C

Minimum Bending Radius:static: 10×OD; dynamic: 20×OD

Impacted Resistant:Yes

Weather Resistant:Yes

DIMENSION AND PARAMETERS

| No. of Cores × Cross-sectional Area | No. of Strands | Nominal Insulation Thickness | Nominal Insulation Thickness | Nominal Sheath Thickness | Nominal Sheath Thickness | Approx. Overall Diameter | Approx. Overall Diameter | Approx. Weight | Approx. Weight |
|-------------------------------------|----------------|------------------------------|------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------|----------------|
| No. ×mm ² | | in | mm | in | mm | in | mm | kg/km | LBS/MFT |
| 1x6 | 7 | 0.09 | 2.3 | 0.03 | 0.76 | 0.39 | 9.9 | 180 | 121 |