



# Draka

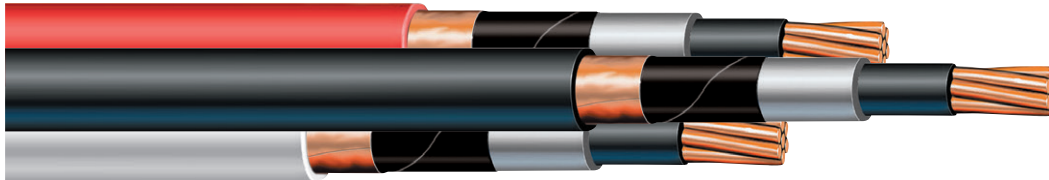
A brand of the

# Prysmian Group



## 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.

### Specifications and Ratings

- FAA Advisory Circular 150/5345-7E
- FAA Advisory Circular 150/5345-7F
- 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

### Design Parameters

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

**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."

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

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

### Prysmian Group

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### Sales and Distribution:

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Part Number	AWG	Strand	Insulation System				Minimum Bend Radius				
			Semi-Conducting Layer mils(mm)	Minimum Insulation mils (mm)	Semi-Conducting Layer mils(mm)	Max Sidewall Outer Diameter in (mm)	Pressure per Radius of Bend lb/ft (N/m)	Max Pulling Tension lb (N)	Trained In (mm)	Pulling In (mm)	Weight Lbs/1000' (Kg/Km)
032632XX	8	7 or 19	12 (0.30)	85 (2.16)	10 (0.25)	0.565 (14.3)	300 (4374)	132 (587)	6.8 (173)	13.6 (345)	200 (298)
032633XX	6	7 or 19	12 (0.30)	85 (2.16)	10 (0.25)	0.605 (15.4)	300 (4374)	210 (934)	7.3 (185)	14.6 (370)	246 (366)
032634XX	4	7 or 19	12 (0.30)	85 (2.16)	10 (0.25)	0.668 (17.0)	300 (4374)	335 (1490)	8.0 (203)	16.0 (406)	345 (513)

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

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