



Colorable FAA-L-824 Type C Cable

Single conductor for airport lighting / 8, 6 & 4 AWG / XLPE insulation / 5KV



Applications

These are single conductor 5000 volt non shielded power cables suitable for L-824 underground installation for lighting at airports per FAA L-824 Type C and AC 150/5345-53 Appendix 3. FAA L-824 cables are suitable for use at 90°C wet or dry in conduit, duct, aerial and direct burial installations.

This cable is available in solid colors for permanent circuit identification: black, blue, green, grey, orange, red, terra cotta, yellow, white, and purple.

Specifications and Ratings

- FAA Advisory Circular 150/5345-7F
- Equipment Certification Program AC150/5345-53 appendix 3 in accordance with Underground Electrical Cable for Airport Lighting Circuits per spec L-824 and ICEA S-96-659 (NEMA WC71).
- Draka's airport lighting cables have been certified as 100% Buy American by the FAA.

<https://www.faa.gov/airports/aip/>

Design Parameters

CONDUCTORS: Soft drawn stranded bare copper per ASTM B3 and ASTM B8.

INSULATION: Crosslinked polyethylene (XLPE) 110 mil thick in accordance with ICEA S-96-659. An optional separator tape under the insulation eases stripping. Available in ten colors (see chart on page 2).

Available Colors:

- Black
- Blue
- Green
- Grey
- Orange
- Red
- Terra Cotta
- Yellow
- White
- Purple

Prysmian Group

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Part Number	Insulation Color	Conductor Size	Stranding	Insulation Thickness in (mm)	Nominal Cable O.D. in (mm)	Cable Weight Lbs/Mft (Kg/Km)
389171	Black	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393000	Blue	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393001	Green	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393002	Grey	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393003	Orange	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393004	Red	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393005	Terra Cotta	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393006	Yellow	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393007	White	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
393010	Purple	8 AWG	7 x .0486	.110 (2.8)	0.375 (9.53)	92 (137)
389172	Black	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
393018	Blue	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
393012	Grey	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
393013	Orange	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
393014	Red	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
393015	Terra cotta	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
393016	Yellow	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
393017	White	6 AWG	7 x .0612	.110 (2.8)	0.410 (10.4)	129 (192)
389181	Black	4 AWG	7 x .0772	.110 (2.8)	0.460 (11.7)	185 (276)
393020	Blue	4 AWG	7 x .0772	.110 (2.8)	0.460 (11.7)	185 (276)
393021	Green	4 AWG	7 x .0772	.110 (2.8)	0.460 (11.7)	185 (276)

- a. 8AWG Minimum Bending Radius - Training: 1.6in (4.1cm), Pulling: 2.4in (6.1cm)
- b. 6AWG Minimum Bending Radius - Training: 1.7in (4.3cm), Pulling: 2.6in (6.6cm)
- c. 4AWG Minimum Bending Radius - Training: 1.9in (4.8cm), Pulling: 2.9in (7.4cm)

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.

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