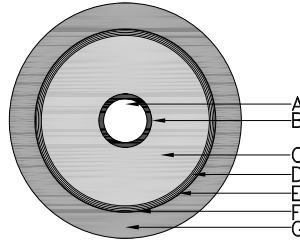


5000 Volt, FAA L-824 Type C, Shielded Cable (XLPE-PVC)



Components

- A: #8 AWG, #6 AWG and #4 AWG, Class B or C stranded, soft drawn, bare or tinned copper conductor.
- B: 20 mils (0.51 mm) extruded semi-conducting crosslinked Polyethylene (XLPE) applied over the conductor.
- C: 85 mils (2.16 mm) minimum; 120 mils (3.05 mm) maximum thickness of heat and moisture resistant, crosslinked Polyethylene (XLPE).
- D: 10-mil thick semi-conducting tape, printed "SEMI-CONDUCTING REMOVE BEFORE SPLICING OR TERMINATING", helically applied over the XLPE insulation.
- E: 5-mil thick bare copper shielding tape helically applied over the semi-conducting tape.
- F: 1-mil thick polyester tape helically applied over the copper shielding tape.
- G: 60 mils (1.52 mm) of heat and moisture resistant, thermoplastic Polyvinyl Chloride (PVC).

Print Legend

DRAKA CABLETEQ USA - MA "size of conductor" AWG or kcmil XLPE-PVC 5KV XLP SHIELDED POWER CABLE
 FAA L-824 TYPE C ETL VERIFIED or MV90 (UL) 5KV 100% INSULATION LEVEL

Specifications/Standards

U.S. Department of Transportation, Federal Aviation Administration, Advisory Circular No. 150/5345-7E,
Specification for L-824 Underground Electrical Cable for Airport Lighting Circuits
 ASTM B 3, ASTM B 8, ASTM B 33
 ICEA S-93-639 (NEMA WC 74) and FAA L-824 Type C




Ratings

FAA L-824, UL MV90

The insulation is suitable for use in wet or dry locations at 90 °C. The cable is suitable for use in conduits or ducts.

L-824 - Underground Electrical Cable for Airport Lighting Circuits (AC 150/5345-7E)

Manufacturer	Type	Voltage Rating	Catalog Numbers
Draka Cableteq USA	C	5000 Volts	032632XX ¹ ; 032633XX ¹ ; 032634XX ¹ 1. XX specifies jacket color; ie RD = RED

R e v	DATE	CHANGE DETAIL				Draka Cableteq USA, Inc. 22 Joseph E. Warner Blvd North Dighton MA 02764 Phone: 508-822-5444 Fax: 508-822-1944 One Tamaqua Blvd Schuylkill Haven PA 17972 Phone: 570-385-4381 Fax: 570-385-1092		
	0	7/21/10	New Issue					
	1	7/26/10	Revised semi-conducting tape					
	2	9/22/10	Revised Specifications/Standards					
3					Project Name:	FAA L-824 Type C Shielded(XLPE-PVC) See Table NA faa l-824 type c shld xlpe-pvc Page 1 of 1		
Approvals:		Engineering:		Final:				
Draka Cableteq USA Inc. reserves the right to modify this information without prior notification and does not make a warranty or representation of any kind, whether implied or expressed with respect to the information contained herein. Draka Cableteq assumes no risks, and will not be liable for direct or indirect, special, incidental or consequential damages, any defect or personal injury resulting from the use of this document. EngDrawing-Rev01-April07					Part Number:			
					Quote Number:			
					File Number:			
					Page Number:			



Intertek

PROGRAM ADMINISTRATOR
DEPARTMENT ALECP
INTERTEK
3933 U.S. ROUTE 11
CORTLAND, NY 13045-0950

ORIGINAL ISSUE DATE: October 6, 2010

Recertification due: September 2018

**An Activity Sponsored and Administered by
Intertek**

DRAKA CABLETEQ USA
1 TAMAQUA BLVD
SCHUYLKILL HAVEN, PA 17972

**AIRPORT LIGHTING
EQUIPMENT
CERTIFICATION PROGRAM**

**CERTIFICATE OF
CONFORMANCE**

The product described below is hereby approved for listing in the next issue of the Federal Aviation Administration (FAA) Advisory Circular (AC) 150/5345-53, Appendix 3 Addendum "Airport Lighting Equipment Certification Program. The approval is based on successful completion of tests in accordance with the specifications listed in, and the requirements for approval described in the Advisory Circular, and the reporting to the Program Administrator the results of such tests, accompanied by related documents by an Intertek recognized testing laboratory. The certification is not valid for a product modified with non-OEM replacements parts or non-production components.

L-824 – Underground Electrical Cable for Airport Lighting Circuits (AC 150/5345-7E)			
Manufacturer	Type	Voltage Rating	Manufacturer's Catalog Number
Draka Cableteq USA	C	5000	032632; 032632XX; 032633; 032633XX; 032634; 032634XX

1. This Equipment requires continuing validation in accordance with the requirements of AC 150/5345-53, and the Intertek Airport Lighting Equipment Certification Program.
2. Product tested and Report issued by: Draka Cableteq, USA; Intertek Plastics Tech Lab

(A) Report No: 2010-08-056; P20102947

(B) Date of Report: 9/2010; 9/2010

NOTE: PLEASE REVIEW, AND ADVISE ADMINISTRATOR AT INTERTEK IMMEDIATELY IF DATA, AS SHOWN, NEED TO BE CORRECTED.

Approved for Certification by:

Jeremy N. Downs, PE, Program Administrator
Date: October 6, 2010

APPENDIX 1. THIRD PARTY CERTIFICATION BODIES.

The following Third Party Certification Bodies (Third Party Certifiers) have met the requirements contained in ADVISORY CIRCULAR 150/5345-53C, AIRPORT LIGHTING EQUIPMENT CERTIFICATION PROGRAM, dated 09/30/05 and have been accepted as Third Party Certifiers under the Airport Lighting Equipment Certification Program.

Intertek Testing Services
(Formerly ETL Testing Laboratories, Inc.)
3933 U.S. Route 11
Cortland, New York 13045
(607) 753-6711 or (800) 345-3851

**L-824—Underground Electrical Cable for Airport Lighting Circuits
(AC 150/5345-7E)**

Manufacturer	Type	Voltage Rating	Manufacturer's Catalog No.
Coleman Cable, Inc.	C	600	19104; 19106; 19108; 19110; 19112
	C	5000	19004; 19006; 19008; 19204; 19206; 19208; 19214; 19216; 19218
Conductores Monterrey, S.A. de C.V./Viakon	C	5000	AIR5KV8, AIR5KV6, AIR5KV4
Draka Cableteq USA	B	5000	388270; 388270-XX; 388271; 388271-XX; 388150; 388150-XX 388278; 388278-XX; 388785; 388785-XX; 388152; 388152-XX
	C	5000	389171; 389171-XX; 389172; 389172-XX; 389181; 389181-XX 389201; 389201-XX; 389202; 389202-XX; 389203; 389203-XX 389221; 389221-XX; 389222; 389222-XX; 389223; 389223-XX 032632, 032632XX, 032633, 032633XX, 032634, 032634XX
	C	5000	CLR-XLPE 393000; CLR-XLPE 393001; CLR-XLPE 393002; CLR-XLPE 393003; CLR-XLPE 393004; CLR-XLPE 393005; CLR-XLPE 393006; CLR-XLPE 393007; CLR-XLPE 393008; CLR-XLPE 393009; CLR-XLPE 393010; CLR-XLPE 393011; CLR-XLPE 393012; CLR-XLPE 393013; CLR-XLPE 393014; CLR-XLPE 393015; CLR-XLPE 393016; CLR-XLPE 393017; CLR-XLPE 393018; CLR-XLPE 393019; CLR-XLPE 393020; CLR-XLPE 393021; CLR-XLPE 393022; CLR-XLPE 393023; CLR-XLPE 393024; CLR-XLPE 393025; CLR-XLPE 393026; CLR-XLPE 393027; CLR-XLPE 393028; CLR-XLPE 393029; CLR-XLPE 393030; CLR-XLPE 393031; CLR-XLPE 393032; CLR-XLPE 393033; CLR-XLPE 393034; CLR-XLPE 393035; CLR-XLPE 393036; CLR-XLPE 393037; CLR-XLPE 393038; CLR-XLPE 393039 CLR-XLPE 393040; CLR-XLPE 393041; CLR-XLPE 393042; CLR-XLPE 393043; CLR-XLPE 393044; CLR-XLPE 393045; CLR-XLPE 393046; CLR-XLPE 393047; CLR-XLPE 393048; CLR-XLPE 393049; CLR-XLPE 393050; CLR-XLPE 393051; CLR-XLPE 393052; CLR-XLPE 393053; CLR-XLPE 393054; CLR-XLPE 393055; CLR-XLPE 393056; CLR-XLPE 393057; CLR-XLPE 393058; CLR-XLPE 393059
	C	5000	EXT SEMI-CON/XLPE/PVC 389421; EXT SEMI-CON/XLPE/PVC 389422; EXT SEMI-CON/XLPE/PVC 389423; EXT SEMI-CON/XLPE/PVC 389424; EXT SEMI-CON/XLPE/PVC 389425; EXT SEMI-CON/XLPE/PVC 389426; EXT SEMI-CON/XLPE/PVC 389427; EXT SEMI-CON/XLPE/PVC 389428; EXT SEMI-CON/XLPE/PVC 389429; EXT SEMI-CON/XLPE/PVC 389430
	C	5000	EXT SEMI-CON/XLPE 389431; EXT SEMI-CON/XLPE 389432, EXT SEMI-CON/XLPE 389433; EXT SEMI-CON/XLPE 389434; EXT SEMI-CON/XLPE 389435; EXT SEMI-CON/XLPE 389436; EXT SEMI-CON/XLPE 389437; EXT SEMI-CON/XLPE 389438; EXT SEMI-CON/XLPE 389439; EXT SEMI-CON/XLPE 389440; EXT SEMI-CON/XLPE 389441; EXT SEMI-CON/XLPE 389442; EXT SEMI-CON/XLPE 389443; EXT SEMI-CON/XLPE 389444; EXT SEMI-CON/XLPE 389445; EXT SEMI-CON/XLPE 389446; EXT SEMI-CON/XLPE 389447; EXT SEMI-CON/XLPE 389448; EXT SEMI-CON/XLPE 389449; EXT SEMI-CON/XLPE 389450; EXT SEMI-CON/XLPE 389451; EXT SEMI-CON/XLPE 389452; EXT SEMI-CON/XLPE 389453; EXT SEMI-CON/XLPE 389454; EXT SEMI-CON/XLPE 389455; EXT SEMI-CON/XLPE 389456; EXT SEMI-CON/XLPE 389457; EXT SEMI-CON/XLPE 389458; EXT SEMI-CON/XLPE 389459; EXT SEMI-CON/XLPE 389460; EXT SEMI-CON/XLPE 389461; EXT SEMI-CON/XLPE 389462; EXT SEMI-CON/XLPE 389463; EXT SEMI-CON/XLPE 389464; EXT SEMI-CON/XLPE 389465; EXT SEMI-CON/XLPE 389466; EXT SEMI-CON/XLPE 389467; EXT SEMI-CON/XLPE 389468; EXT SEMI-CON/XLPE 389469; EXT SEMI-CON/XLPE 389470; EXT SEMI-CON/XLPE 389471; EXT SEMI-CON/XLPE 389472; EXT SEMI-CON/XLPE 389473; EXT SEMI-CON/XLPE 389474; EXT SEMI-CON/XLPE 389475; EXT SEMI-CON/XLPE 389476; EXT SEMI-CON/XLPE 389477; EXT SEMI-CON/XLPE 389478; EXT SEMI-CON/XLPE 389479; EXT SEMI-CON/XLPE 389480

ADDRESS LIST OF CERTIFIED AIRPORT LIGHTING EQUIPMENT MANUFACTURERS

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Col. Constituyentes de Queretaro
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Nuevo Leon 66493 Mexico
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Control Industries, Inc.
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Urbana, Ohio 43078
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Fax (937) 653-8018

Controlled Power Inc.
17909 Bothell Everett Hwy SE
Suite 102
Bothell, WA 98012
Tel (425) 485 1778
Fax (425) 485 0658
www.controlledpowerinc.com

Cooper Crouse Hinds
Wolf & 7th North Sts.
Syracuse, NY 13208
Tel 315 477 5709
Fax 315 477 5118

Cooper Interconnect
4758 Washington Street
La Grange, North Carolina 28551
Tel (252) 566-3014
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Crouse-Hinds Airport Lighting Products
1200 Kennedy Road
Windsor, Connecticut 06095
Tel (860) 683-4300

DeVore Aviation Corporation
6104-B Jefferson Blvd, N.E.
Albuquerque, New Mexico 87109-3410
Tel (505) 345-8713
Fax (505) 344-3835

Dialight Corporation
1501 Rt. 34 South
Farmingdale, NJ 07727
Tel (732)-919-3119
Fax: (732)-751-5778
www.dialight.com

DME Corporation
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Fax (954) 979 3313

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