

SCM

Secondary Molded Cord Sets and Extension Cables



Compliance with standards

FAA L-823 AC 150/5345-26 (Current Edition), ETL Certified.

Uses

L-823, Type II, Class A molded secondary cord sets and extension cables are integral components of airfield lighting systems. Used for underground cable connections, power cables, isolation transformer leads, and light fixture leads. Suitable for both temporary and permanent installations, as well as for repair, troubleshooting, and other applications.

Ideal for all airfield circuit applications, including runways, taxiways, de-icing pads, aprons, and more. Secondary cables can be installed in conduit, duct, base cans, junction can plazas, direct burial, and above-ground.

Features

- Secondary conductors with over-molded L-823 plugs or receptacles ensure quick and easy watertight connections.
- Designed to withstand harsh airfield conditions.
- Superior chemical resistance to solvents, oils, fuels, deicing fluids, and other common chemicals found on airfields.
- Safe for immersion in water and suitable for direct burial installations.
- UV resistance to withstand prolonged exposure to sunlight.
- Pins and receptacles made from tin-plated copper ensure optimal conductivity and corrosion protection.
- Built with FAA L-824 cables for certified performance.
- TPV insulation provides exceptional durability, flexibility, and chemical resistance for reliable long-term use.
- PTFE insulated wires offer enhanced resistance to high temperatures, ideal for halogen light fixture leads.
- Fully compatible with all L-823 FAA-certified cables and connectors.

Operating Conditions

Temperature	-67 °F to +149 °F (-55 °C to +65 °C)
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Characteristics

Electrical	25 A, 600 Vac max.
Weight	0.23 lb/m (0.10 kg/m) avg.

Ordering Code

Type	Style	Lead	Wire	Insulation	Fixed Digit	Length
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Type

P = Plug

R = Receptacle

E = Extension

Style

10 = Plug (Style 1)

60 = Plug (Style 6)

70 = Receptacle (Style 7)

80 = Receptacle (Style 8)

17 = Extension Cable (Style 1 & 7)

18 = Extension Cable (Style 1 & 8)

Lead

C = Jacketed Cable

W = Individual Wires¹

Wire

12 = 12 AWG (3.3 mm²)

16 = 16 AWG (1.3 mm²)

Insulation

S = Standard TPV Rubber

Fixed Digit

0 = 0

Length

1.00 = 1 m (3 ft)

1.50 = 1.5 m (5 ft)

2.00 = 2 m (6.5 ft)

2.50 = 2.50 m (8 ft)

3.00 = 3 m (10 ft)

4.00 = 4 m (13 ft)

8.00 = 8 m (26 ft)

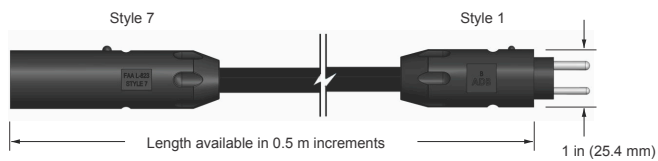
10.0 = 10 m (33 ft)

Note: Molded Secondary cord sets and extension cables are available in 0.5 m (1.6 ft) increments. For a length not specified in the ordering code, contact an ADB SAFEGATE representative for assistance. The Length portion of the ordering code must always include a decimal point (e.g., 1.00, 2.50, 10.0).

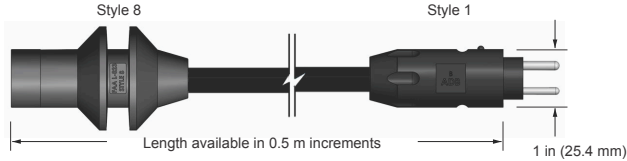
¹ 8mm semi-stripped wire leads.

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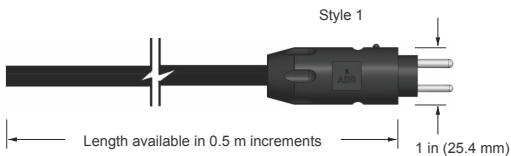
Secondary Extension Cable (Style 1 & 7)



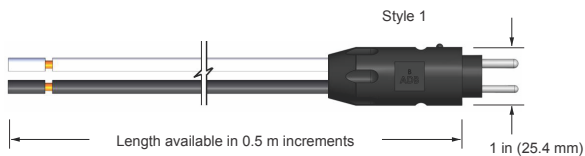
Secondary Extension Cable (Style 1 & 8)



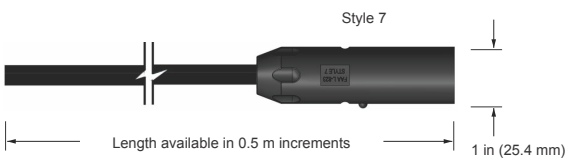
Secondary Plug (Style 1)



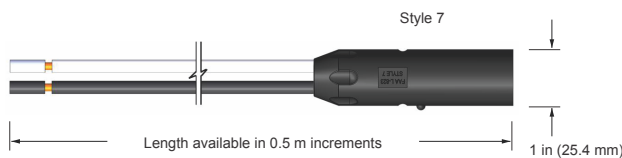
Secondary Plug (Style 1)



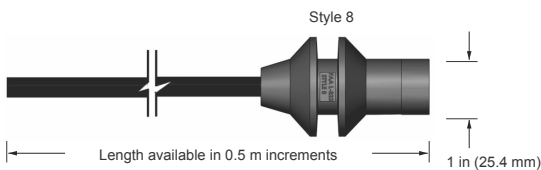
Secondary Receptacle (Style 7)



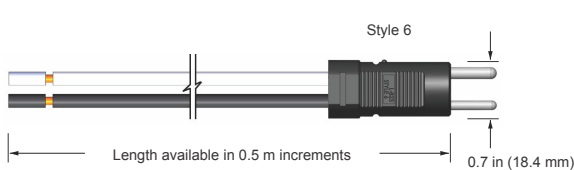
Secondary Receptacle (Style 7)



Secondary Receptacle (Style 8)



Secondary Plug (Style 6)



Specialty Cord Sets

Description	Part No.
Two-Conductor Cord Sets & Cables	
Style 1 Plug, 16 AWG, 31in (0.79m), 2-Pin 2/C Wire with Fork Terminals #6 Stud Size	44A1707
Canada Style Secondary Cord Sets	
Style 1 Plug, 16 AWG, 18in (0.45m), 2-Pin 2/C Cable with Fork Terminals, for Prefocus Socket	91 MPC-.46-M
Style 1 Plug, 16 AWG, 18in (0.45m), 2-Pin 2/C Cable with Female Spade Terminals, for PK30d Lamp	91 MPC-.46-H
Style 1 Plug, 16 AWG, 29.5in (0.75m), 2-Pin 2/C Cable with Fork Terminals, for Prefocus Socket	91MPC-.75-M