

# Primary Connectors

**LED**→ Airport Lighting8567 Coral Way, Unit 121  
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sales@ledairportlighting.com**FAA AC 5345-26****L-823 / L-823, styles 3 and 10, class B**

EFLA's primary connectors shield your airport primary lighting circuit to ensure best performance through high quality design and high technology, with full compliance to FAA 5345-26 requirements for plugs and receptacles (cable connectors).

EFLA's primary connectors are packed and delivered in kits including all the necessary parts for making the assembly on primary cables. Each primary connector kit contains parts for a pair (a plug and a receptacle), resulting in a watertight post-installation connection.

Nominal rating: 25 A and 5 000V

## Main benefits

- Quick and easy installation
- Available for both screened (shielded) and unscreened (unshielded) cable
- Wide range for different kinds of cable dimensions
- TPE encapsulation provides tough and rigid insulation to the cable connection
- ROHS compliance with EU directive NO2002/95/EC

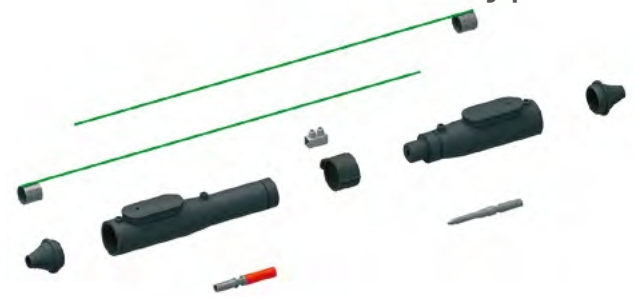
## For screened cables

### KD500-series



Quick installation with conductive parts, screen continuity and insulation parts filled with silicon grease.

### KDR600-series, resin type



Resin-type primary connector for heavy-duty use. EFLA's resin type connector is supplied with a high performance PU resin to be poured inside the insulation body around the connective parts and screen continuity.

### Screen continuity

The standard screen continuity is a 2.5 mm<sup>2</sup> tinned copper wire, 300 mm long. Upon request, KD500 and KDR600 may be supplied with insulated screen continuity in yellow-green (e.g. KD500/YG) or black (e.g. KDR600/B). 6 mm<sup>2</sup> is also available.

## For unscreened cables

### KD510-series



Quick installation with conductive and insulation parts filled with silicon grease.

### KDR610, resin type



Resin-type primary connector for heavy-duty use. EFLA's resin type connector is supplied with a high performance PU resin to be poured inside the insulation body around the connective parts.

## Dimensional data

EFLA type for screened cables	EFLA type for un-screened cables	Conductor size mm <sup>2</sup>	AWG	Cable diameter, mm	in inches	Diameter at wire insulation, mm	in inches	Diameter/Length of assembly, mm	in inches
KD500	KD510	6 mm <sup>2</sup>	8 **	10.0 – 14.5	0.393 – 0.570	7.0 – 10.5	0.275 – 0.413	23.5 / 222	0.925 / 8.74
KD500.1	KD510.1	6 mm <sup>2</sup>	8 **	14.0 – 18.5	0.551 – 0.728	10.0 – 13.5	0.393 – 0.531	23.5 / 222	0.925 / 8.74
KD500.3	KD510.3	6 mm <sup>2</sup>	8 **	18.0 – 22.0	0.708 – 0.866	12.5 – 16.0	0.492 – 0.629	23.5 / 215	0.925 / 8.46
KD500.6	KD510.6	6 mm <sup>2</sup>	8 **	8.5 – 11.5	0.334 – 0.452	5.0 – 7.5	0.196 – 0.295	23.5 / 222	0.925 / 8.74
KD500.2	KD510.2	10 mm <sup>2</sup> *	6	14.0 – 18.5	0.551 – 0.728	10.0 – 13.5	0.393 – 0.531	23.5 / 222	0.925 / 8.74
KD500.4	KD510.4	10 mm <sup>2</sup> *	6	18.0 – 22.0	0.708 – 0.866	12.5 – 16.0	0.492 – 0.629	23.5 / 215	0.925 / 8.46
KD500.5	KD510.5	10 mm <sup>2</sup> *	6	10.0 – 14.5	0.393 – 0.570	7.0 – 10.5	0.275 – 0.413	23.5 / 222	0.925 / 8.74
KDR600	KDR610	6 mm <sup>2</sup>	8 **	9.0 – 19.0	0.354 – 0.748	7.0 – 10.5	0.275 – 0.413	31 / 270	1.22 / 10.62
KDR600.2	KDR610.2	10 mm <sup>2</sup> *	6	9.0 – 19.0	0.354 – 0.748	5.0 – 7.5	0.196 – 0.295	31 / 270	1.22 / 10.62

\* 16 mm<sup>2</sup> stranded    \*\* up to 19 strands