EFLA
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PRODUCT DATASHEET

Prefabricated Secondary Leads for Two Core Cables

KDC501, KDC502, KDC507 & KDC508

FAA AC5345-26, L-823, Class A, Type I & II

KDC501-series (Style 1)

KDC502-series (Style 7)

KDC508-series (Style 8)

KDC507-series (Style 7)

KDC secondary leads are used for connecting the transformer and the secondary circuit. KDC secondary leads with double insulated two core cable are made from thermoplastic elastometer (TPE), providing unique dielectric strength for secondary circuit. Secondary leads are delivered either in prefabricated leads or in extension cords, that are available with various cable diameter and with frangible break-away feature. KDC secondary leads are Intertek certified to FAA AC and fulfill specifications MIL-C-3432, MIL-C-4921 and ICEA S-66-524.

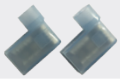
- Two core cable
- Dual insulation: EPR-insulated & TPE-sheathed
- Core insulation: special EPR compound
- Outer sheath: halogen free TPR compound (IEC 60752-2 / EN 50267-2-3)
- Nominal voltage: 600 V
- Style connector variants 1, 7, and 8
- Conductor sizes: 1.5 mm^2, 2.5 mm^2, 4 mm^2
- Copper conductors, Class 5 (IEC 60228)
- Temperature range: -40 to +120 °C (-40 to 248 °F)
- Short term short circuit temperature resistance 300 °C (570 °F)
- Bending radius: 5D

Two core cable information

EFLA type	Diameter of insulation approx. [mm]	Outer diameter [mm]	Max. conductor resistance at 20 °C [ohm/km]
2x1.5 mm²	0.85	8.5±0.3	13.10
2x2.5 mm²	0.85	9.7±0.3	7.41
2x4 mm²	0.9	11.7±0.1	4.95

Free end of the leads

The standard free end is sheath stripping of 5 cm.The following connectors are available.

		Free end type
	2 pcs 1.5–2.5 mm² 6.3 mm flat connectors, uninsulated	KDCO1
	2 pcs 1.5–2.5 mm² 6.3 mm flat connectors with common insulator	KDCO2
	2 pcs 1.5–2.5 mm² 6.3 mm flat connectors with single insulators	KDCO3
	2 pcs 2.5 mm² M4 cable shoes	KDCO10
	2 pcs 1.5–2.5 mm² M6 cable shoes	KDCO11
	2 pcs 0.5–1.5 mm² M4 cable shoes	KDCO12
	2 pcs 1.5–2.5 mm² M5 cable shoes	KDCO13
	2 pcs 0.75–1.5 mm² flat connectors, uninsulated	KDCO14
	2 pcs 1.5 mm² flag connectors, uninsulated	KDCO15
	2 pcs 1.5–2.5 mm² flag connectors, uninsulated	KDCO16
	2 pcs 1.0–1.5 mm² flag connectors, uninsulated	KDCO17
	2 pcs 1.5 mm² insulated flag connectors	KDCO18
	2 pcs 1.5–2.5 mm² wire-end claws	KDCO19

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Ordering information

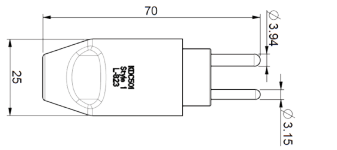
KDC(E)50X . X . X . (X) → Free end type

EFLA type			Cable cross section	
KDC501	secondary plug	Style 1	1	1.5 mm²
KDC502	secondary receptacle	Style 7	2	2.5 mm²
KDC507	secondary plug	Style 7	4	4 mm²
KDC508	secondary receptacle	Style 8		
KDCE501	extension cable	Style 1 & 7		

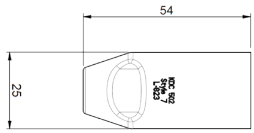
Cable length	
Standard lengths	Customized lengths, for example
30 (cm)	55 (cm)
60 (cm)	500 (cm)
100 (cm)	1000 (cm)
150 (cm)	

For example, EFLA part number KDC501.2.100 means 100 cm long prefabricated secondary two-core cable lead with 2.5 mm² cable cross section, with Style 1 plug and open free end on the other side.

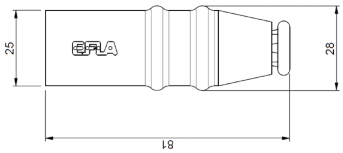
Outline



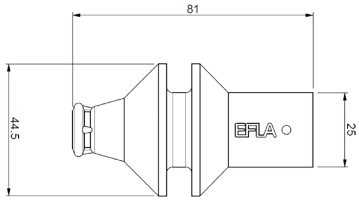
KDC501-series



KDC502-series



KDC507-series



KDC508-series

Extension cords

These types above can be made to a specific length, with plug on one end and receptacle on the other. For example KDCE501.4.30 (4 mm² and 30 cm).

Note:
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