

PRODUCT DATASHEET

Prefabricated Secondary Leads for Two Single Wires

KDC503- & KDC506-Series

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



KDC secondary leads are used for connecting the transformer and the secondary circuit. KDC secondary leads with two single wires are made from thermoplastic elastomer (TPE), providing highest possible dielectric strength in installation. Secondary leads are available with various wire diameters and with extended temperature range. KDC secondary leads for two single wires are FAA certified.

- Superior isolation resistance by thermoplastic elastomer (TPE)
- Standard temperature range: -40°C - 120°C (-40°F - 248°F)
- Extended temperature range
 - With Zyrad: up to 150°C / 300°F
 - With Teflon: up to 200°C / 390°F
- Nominal rating: 20 A and 600 V
- Style connector variants 1, 6, 7 and 8
- Wire outer diameters 2,9 - 11,7 mm x2
- Conductor size 1,5 - 4 mm²
- ROHS compliance with EU directive NO2002/95/EC
















Wire information

Wire cross section	Diameter of insulation (mm, approx.)	Outer diameter (mm)	Max. conductor resistance at 20 °C (ohm/km)
1.5 mm ²	1.0	3.2 ± 0.3	13.7
2.5 mm ²	1.2	4.6 ± 0.3	8.21
2.5 mm ² (Teflon)	0.6	2.9 ± 0.1	13.7
2.5 mm ² Zyrad	0.8	3.7 ± 0.1	13.7

Free end of the leads

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

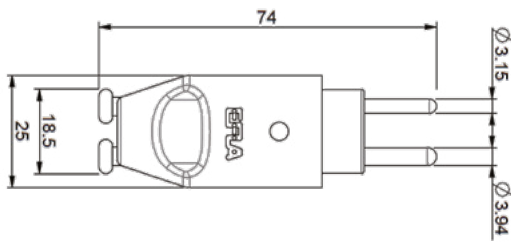
		Free end type
	2 pcs 1.5-2.5 mm ² 6.3 mm flat connectors, uninsulated	KDCO1
	2 pcs 1.5-2.5 mm ² 6.3 mm flat connectors with common insulator	KDCO2
	2 pcs 1.5-2.5 mm ² 6.3 mm flat connectors with single insulators	KDCO3
	2 pcs 2.5 mm ² M4 cable shoes	KDCO10
	2 pcs 1.5 – 2.5 mm ² M6 cable shoes	KDCO11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



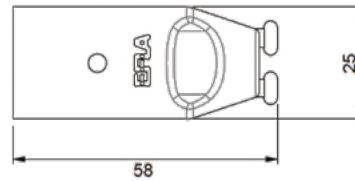
Ordering information

EFLA type			Wire cross section		Cable length = X	
KDC503	secondary plug	Style 1	1	1.5 mm ²	Standard lengths	Customized lengths, i.e.:
KDC503R	secondary receptacle	Style 7	2	2.5 mm ²	30 (cm)	5 (cm)
KDC506	secondary plug	Style 6			60 (cm)	10 (cm)
KDC506S	secondary plug	Style 6			100 (cm)	1000 (cm)
KDCT506	secondary plug	Style 6			150 (cm)	5000 (cm)
KDCZ506	secondary plug	Style 6				

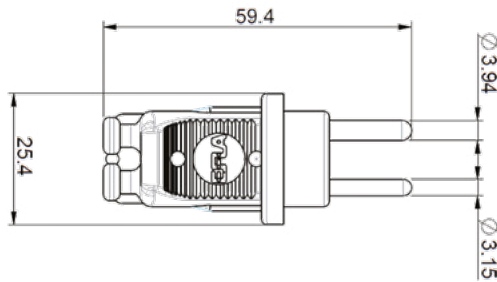
Outline



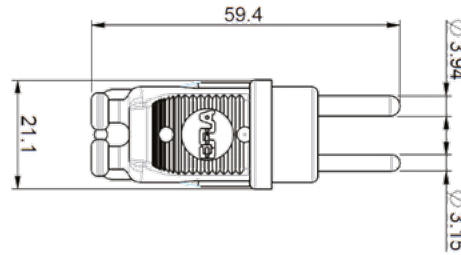
KDC503-series



KDC503R-series



KDC506-series



KDC506S-series

Extended temperature range

To tolerate higher temperatures, the prefabricated two single wire secondary leads are also available in Zyrad (150 °C / 300 °F) (KDCZ506 and KDCZ506S) or in Teflon (200 °C / 390 °F) (KDCT506 and KDCT506S).

EFLA is the world's leading supplier of seamless power and communication products for airfield ground lighting circuits. With more than 30 years experience in the field, it develops, manufactures and sells globally-certified series isolation transformers, connector kits and prefabricated cable leads. The company's components meet the highest qualifications in materials and electrical design to withstand challenging installation in underground pits and cans and direct underground installation. Headquartered in Porvoo, Finland, EFLA supplies products to international airports around the world.

