

→ Producer EFLA FINLADIA

→ Application

- for screened (shielded) cable (series KD 500)
- for unscreened (unshielded) cable (series KD 510)

→ Certificate basis

- FAA AC 150/5345-26C

→ Description/properties

Construction pins and socket

- the material of the contact parts is of tin-plated copper or brass
- the socket is supplied with copper beryllium sleeve type spring assuring excellent contact pressure
- on request available also nickel plated contact parts

Housing

- the plug and receptacle insulation is made of TPE (thermoplastic elastomer) with excellent environmental resistance and good fluid resistance, capable to withstand attack from chemicals typically present on the airfield
- the insulation also withstands exposure to UV-radiation and ozone

→ Electrical parameters

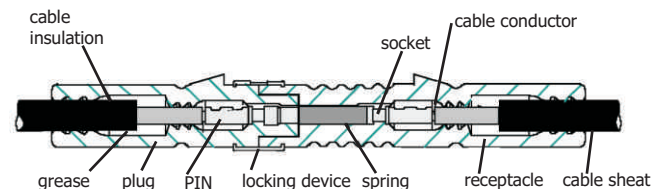
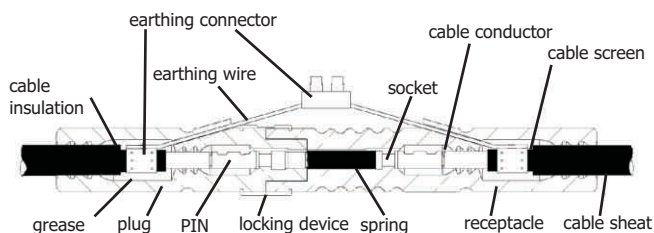
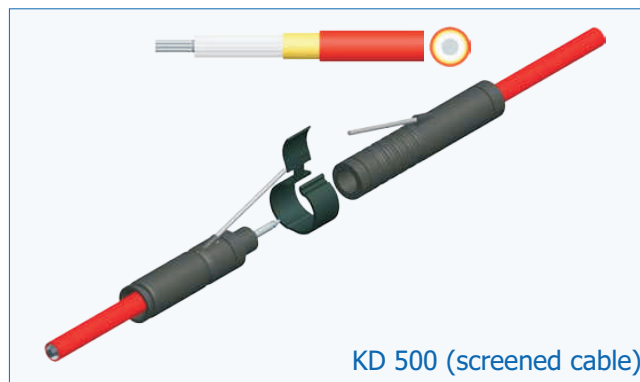
- current rating 25 A
- voltage rating 5000 V

→ Packing material

- the connectors are packed in recyclable cartons
- each connector kit is individually packed in low density polyethylene (LDPE) plastic bag and contains:
 - 1 pair of plug and receptacle housings
 - 1 pair of pin and socket connectors
 - 1 locking device (polypropylene)

→ Technical parameters

Screened cable	Unscreened cable	FAAL-823	Conductor size		Cable diameter [mm]	Diameter of cable insulation [mm]
			mm ²	AWG		
KD 500	KD 510	Style 3, Style 10	6	AWG 8 (up to 19 stands)	10,0–14,5	7,0–10,5
KD 500.1	KD 510.1	Style 3, Style 10	6	AWG 8 (up to 19 stands)	14,0–18,5	10,0–13,5
KD 500.2	KD 510.2	Style 3, Style 10	10	AWG 6	14,0–18,5	10,0–13,5
KD 500.3	KD 510.3	Style 3, Style 10	6	AWG 8 (up to 19 stands)	18,0–22,0	12,5–16,0
KD 500.4	KD 510.4	Style 3, Style 10	10	AWG 6	18,0–22,0	12,5–16,0
KD 500.5	KD 510.5	Style 3, Style 10	10	AWG 6	10,0–14,5	7,0–10,5
KD 500.6	KD 510.6	Style 3, Style 10	6	AWG 8 (up to 19 stands)	8,5–11,5	5,0–7,5



- silicone grease (inside the housing)
- guiding pin for receptacle (PA or PP)
- cleaning cloth., installation instructions
- addition in series KD 500:
 - 2 earthing connectors (tin-plated brass) with 350 mm long 2,5 sqmm copper wires
 - 1 earthing connector with 2 screws (nickel-plated brass); connector housing of polyamide 6.6.

chapter:

7.3 KD (501, 502, 503, 503R)



→ Producer

- EFLA FINLANDIA

→ Application

- secondary connectors for airport cables

→ Certificate basis

- FAA AC 150/5345-26C

→ Description/properties

Construction pins and sockets

- the material of the contact parts is of tin-plated copper or brass
- on request available also nickel plated contact parts.

Housing

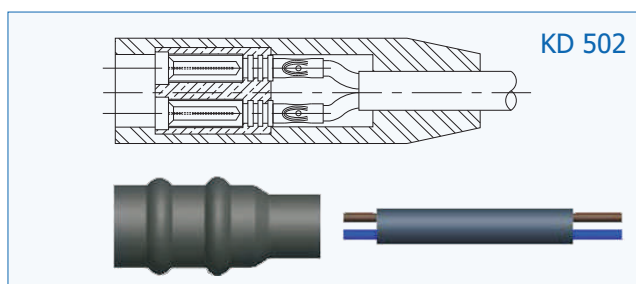
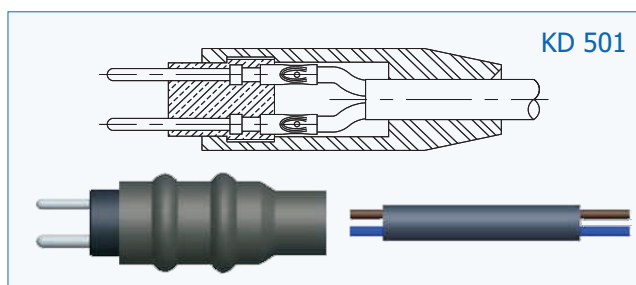
- the plug and receptacle insulation is made of TPE (thermoplastic elastomer) with excellent environmental resistance and good fluid resistance, capable to withstand attack from chemicals typically present on the airfield
- the insulation also withstands exposure to UV-radiation and ozone

→ Electrical parameters

- current rating 20 A
- voltage rating 600 V

→ Packing material

- the packing material is recyclable
- carton
- each connector kit is individually packed in low density polyethylene (LDPE) plastic bag, each kit contains:
 - 1 plug or receptacle housing
 - 1 body of metal connectors
 - 2 pin or socket connectors
 - silicone grease
 - detent part for locking the metal parts
 - cleaning cloth
 - installation instructions



→ Technical parameters

KD 501 and KD 502 - series for two-core cables

Plug	FAA L-823	Conductor size [mm ²]	Cable diameter [mm]
KD 501	style 5	1,5–2,5	8,5–13,5
KD 501.1	style 5	4,0–6,0	11,5–18,0
KD 501.2	style 5	4,0–6,0	8,5–13,5

Receptacle	FAA L-823	Conductor size [mm ²]	Cable diameter [mm]
KD 502	style 12	1,5–2,5	8,5–13,5
KD 502.1	style 12	4,0–6,0	11,5–18,0
KD 502.2	style 12	4,0–6,0	8,5–13,5

KD 503 and KD 503/R - series for two single wires

Plug	FAA L-823	Conductor size [mm ²]	Cable diameter [mm]
KD 503	style 4	1,5–2,5	2,8–4,0 (×2)
KD 503.1	style 4	4,0–6,0	3,8–5,5 (×2)
KD 503.2	style 4	4,0–6,0	2,8–4,0 (×2)
KD 503.3	style 4	4,0–6,0	5,0–8,0 (×2)

Receptacle	FAA L-823	Conductor size [mm ²]	Cable diameter [mm]
KD 503/R	style 11	1,5–2,5	2,8–4,0 (×2)
KD 503.1/R	style 11	4,0–6,0	3,8–5,5 (×2)
KD 503.2/R	style 11	4,0–6,0	2,8–4,0 (×2)
KD 503.3/R	style 11	4,0–6,0	5,0–8,0 (×2)

