



ICAO Aerodrome Design Manual, Part 6, Frangibility FAA AC 150/5220-23 Frangible connections



KDC6 prefabricated extension cords meet the frangibility standards. They are equiped with a special break-away connector which is secured by an additional sleeve. If an airplane crashes with the approach light mast, connector opens safely from specific points, prevents cable rupture, and minimizes the risk of any additional hazards, like ignition of kerosin. Break-away extension cords are fully compliant with **ICAO Aerodrome Design Manual Part 6, Frangibility requirements**.





Proven frangibility

- Full scale impact tested break-away mechanism according to the ADM Part 6 Chapter 5 and FAA AC 150/5345-45g, section 4
- Ensure proper frangibility behavior of mast structure
- Prevent any additional hazards in case of an impact, like fires or cable wrapping around the aircraft

Lowest cost of ownership

- Easy and fast plug and play installation on-site
- Maintenance free solution for the whole frangible mast lifespan including cable assemblies and mount ties

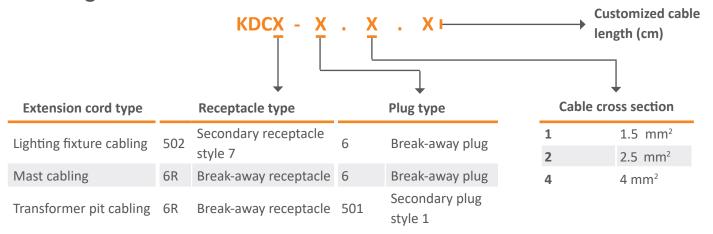
Extension cord information

Extension cord, plug & receptacle
TPE molded
Two-core, 2 x 2.5 mm ²
According to customer specs
3.7 mm
9.7 ± 0.3 mm
7.98 ohm/km
EPR-insulated & TPE-sheathed
Special EPR compound
Halogen free TPE compound (IEC 60752-2 / EN 50267-2-3)
Copper, Class 5 (IEC 60228)
600 V
-40 °C to +120 °C (-40 °F to 248 °F)
300 °C (570 °F)
5D
FAA L-824, MIL-C-3432, MIL-C-4921 & ICEA S-66-524 ICAO ADM6 FAA AC 150/5220-23





Ordering information



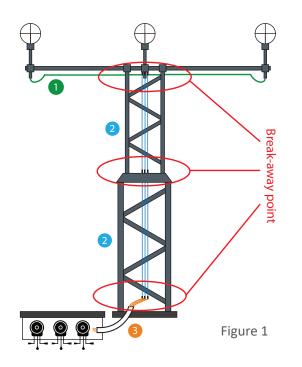
Break-away points are illustrated as Figure 1.

Extension cord type

1	Lighting fixture cabling
2	Mast cabling
3	Transformer pit cabling

Related products

Break-away connector kits	KD6 & KD6R
Mount ties for mast assembly	DTRH-LR0
	DT-HQ0
Transformer connector kit	KD501
Light fixture connector kit	KD502



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.