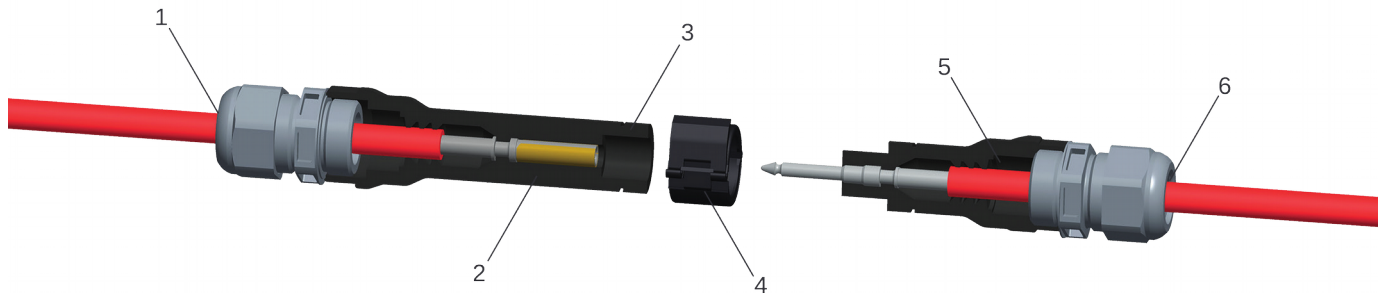


KDL10

The most reliable primary connection



Primary circuit is the foundation of an Aeronautical Ground Lighting (AGL) system. Connectors are often the most sensitive parts of the primary circuit. Therefore, the easiest way to increase reliability of airfield light network is to favor high quality connectors.

KDL10 connector has many unique features that make it the most reliable AGL primary network connector. Main features of the installer friendly KDL10 are water tightness and durability. Installation time and errors are reduced because of the innovative design.

Introducing the new KDL10

- 1 Cable gland gives excellent protection against bending and enables using any size primary cables.
- 2 In-build pressure equalizer makes closing the airtight connectors easy.
- 3 Two-component structure on receptacle housing makes connection exceptionally reliable and long lasting.
- 4 Re-usable EFLA Lock secures the connection from pulling force up to 25 kg/55 lbs.
- 5 Connector water tightness is secured with Efla's special silicon and three internal water barriers.
- 6 Cable gland has rubber seal which is the primary watertight barrier between a connector and a cable.

Technical data

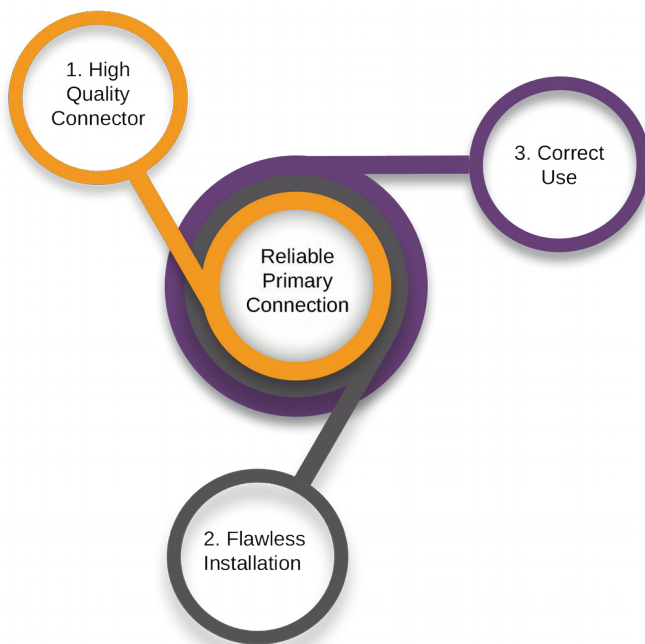
EFLA Type	Conductor Size (mm ²)	AWG	Cable Diameter (mm/inch)	Diameter & Length of Assembly (mm/inch)
KDL10	6	8	9.0 – 17.0 mm 0.354 – 0.669"	D: 34 mm, L: 268 mm D: 1.339", L: 10.551"

Three elements of reliable primary connection – one solution: KDL10

Reliable primary connection requires three elements. Firstly, only flawless high quality connectors should be used. Secondly, connectors need to be installed according to the instructions. Thirdly, connectors should be used correctly during system maintenance and inspections. Ignoring any of these three elements is likely to cause problems with in the primary network.

KDL10 is a new kind of connector that helps to secure all three elements influencing the reliability of

primary connection. KDL10 is technically very reliable and long lasting connector. Innovative design makes KDL10 connector easy, fast and logical to install. Therefore, KDL10 reduces installation mistakes. KDL10 tolerates well bending, twisting and pulling. It withstands rough treatment in challenging conditions at the airfield. KDL10 allows airport maintenance personnel to focus on actual work instead of worrying about connectors at the field.



1. High Quality Connector

- 30 years of experience and certified manufacturing and testing methods
- Innovative details for long-lasting performance
- Highest quality in materials and latest production methods

2. Flawless Installation

- One connector fits all common AGL-cables
- Installer friendly design minimizes mistakes during installation
- Connector features reduce installation time

3. Correct Use

- Strengthened connector structure tolerates bending well
- Resistant to pulling, with EFLA Lock up to 25 kg
- Optimal connector when installation space is limited



EFLA shields electrical connections – especially in the most demanding environments. We manufacture highly specialized components including transformers, connector kits, encapsulated electronics components and prefabricated cable assemblies for airfield ground lighting and other applications. Our story began over 30 years ago in Finland in northern Europe. Today we are one of the largest suppliers in this niche field with a true global footprint covering all continents. Our products can be found on most international airports around the world.

EFLA OY Kipinätie 3 • FI-06150 Porvoo, Finland • tel +358 (0)204 76 21 • fax +358 (0)204 76 2758 • www.efla.net