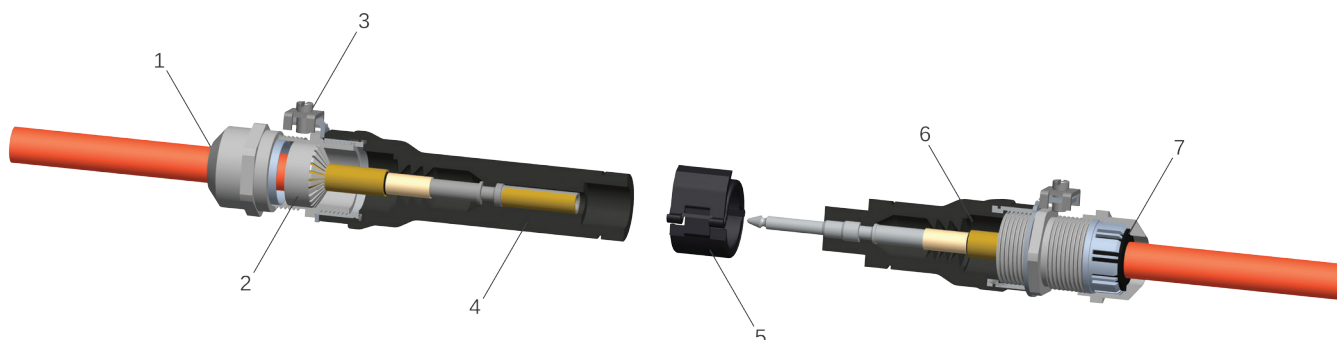


# KDL1

## 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.

KDL1 connector has many unique features that make it the most reliable AGL primary network connector. Main features of the installer friendly KDL1 are water tightness and durability. Installation time and errors are reduced because of the innovative design.

### Introducing the new KDL1

- 1 Cable gland gives excellent protection against bending and enables using any size primary cables.
- 2 Connector forms screen continuity without crimping. Therefore, installation time and errors are reduced.
- 3 Screen continuity without piercing the housing eliminates the risk of leakage. Universal connection point.
- 4 In-built pressure equalizer makes closing the airtight connectors easy.
- 5 Re-usable EFLA Lock secures the connection from pulling force up to 25 kg/55 lbs.
- 6 Connector water tightness is secured with Efla's special silicon and three internal water barriers.
- 7 Cable gland has rubber seal which is the primary watertight barrier between a connector and a cable.

### Technical data

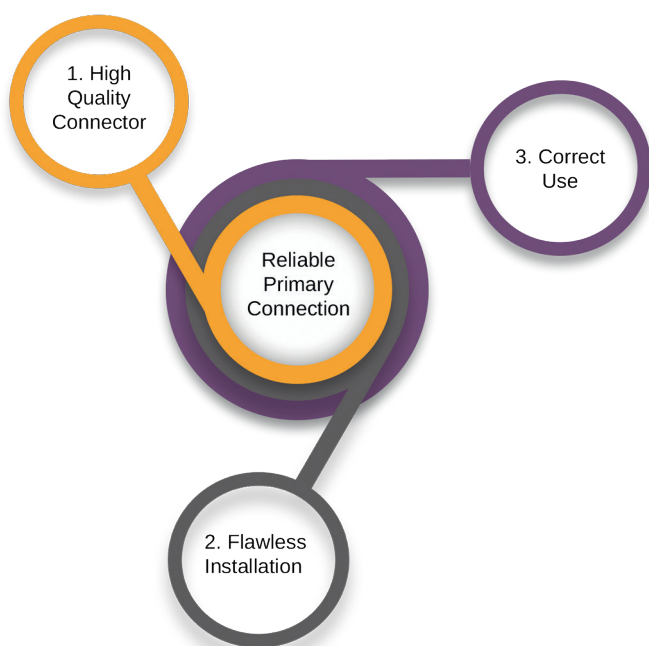
EFLA Type	Conductor Size (mm <sup>2</sup> )	AWG	Cable Diameter (mm/inch)	Diameter at Wire Insulation (mm/inch)	Diameter & Length of Assembly (mm/inch)
KDL1	6	8	9.0 – 17.0 mm 0.354 – 0.669"	7.5 – 13.0 mm 0.295 – 0.512"	D: 42 mm, L: 276 mm D: 1.654", L: 10.886"

## Three elements of reliable primary connection — one solution: KDL1

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.

KDL1 is a new kind of connector that helps to secure all three elements influencing the reliability of primary

connection. KDL1 is technically very reliable and long lasting connector. Innovative design makes KDL1 connector easy, fast and logical to install. Therefore, KDL1 reduces installation mistakes. KDL1 tolerates well bending, twisting and pulling. It withstands rough treatment in challenging conditions at the airfield. KDL1 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