

KDR-600 and KDR-610 Series

PRIMARY CONNECTOR KIT (RESIN TYPE)

Read these instructions before installation

Caution

Only personnel qualifying to work with high voltage equipment and circuits are allowed to do the installation. Make sure that the circuits are disconnected from the voltage supply and correctly grounded. Never connect or disconnect live circuits. Voltage of primary circuit is lethal. Check also that no damage has not occurred to connectors. Otherwise do not proceed with the installation. Make sure that dimensions of the cable comply with type of KDR600 connector used. In case of any kind of non-compliance do not proceed with the installation.

Follow the local instructions for safety precautions or refer to latest FAA advisory circular AC150/5340-26 (maintenance of Airport visual Aid Facilities). Follow also Advisory circular AC150/5370-10 part XI Lighting installations. **Always test the installation according to above mentioned documents and local instructions.**

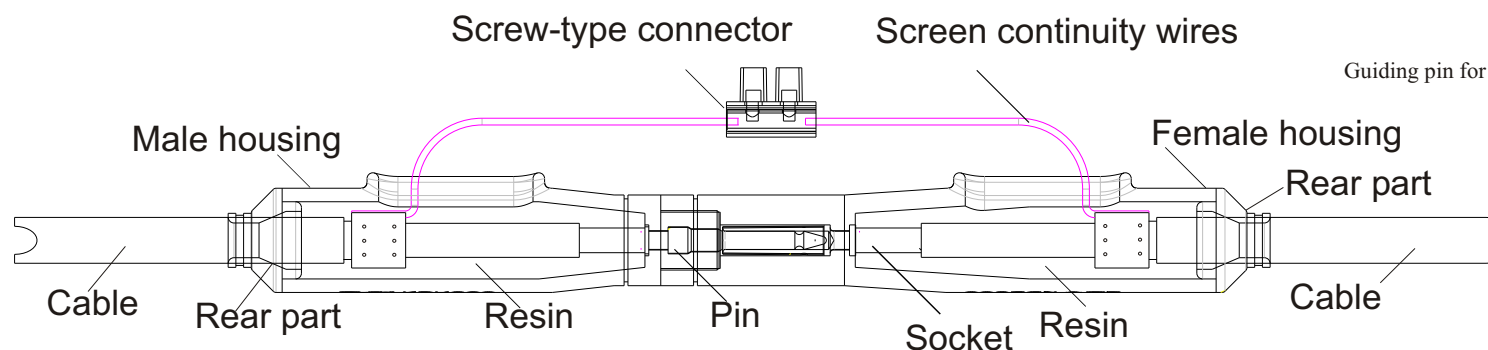
Read these instructions before installation

Caution! Make sure that dimension of the cable comply with type of connector used. Check **USE BEFORE date label** on resin packing. In case of any kind of non-compliance do not proceed the installation. Follow also cable manufacture's instructions'

EFLA type for Screened cable	Efla type for unshielded cable	FAA L-823	Conductor size options	Cable diameter
KDR600	KDR610	Style 3, Style 10	6mm ² , (AWG 8 up to 19 strands)	9-19mm
KDR600.2	KDR610.2	Style 3, Style 10	10mm ² , (AWG 6, 16sqmm stranded)	9-19mm

INSTALLATION CAN BE PERFORMED IN TEMPERATURES BETWEEN +5°C UP TO +45°C. MAKE SURE THAT SURFACES AND CONDITIONS ARE DRY WHEN RESIN IS FILLED. THE MINIMUM TIME BEFORE OPERATING ELECTRICAL CIRCUIT IS 60 MINUTES PERIOD

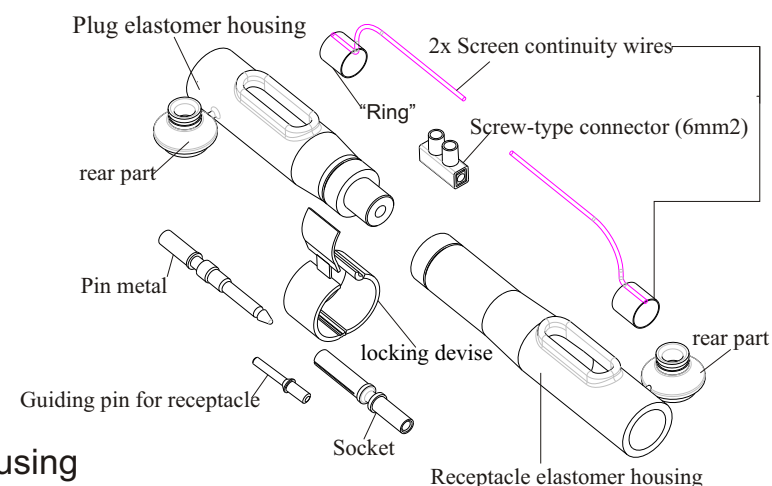
KDR600 Construction



Each package contains

Following components:

1 Resin Bag (Resin+hardener), 1 Gloves,
1 Sandpaper, 1 Installation instructions



Some Crimping tools:
Elpress EWB 4099C
KLAUKE K05/6
KLAUKE K24
KLAUKE K18

Liability for defects

This product will perform within the recommended operational ratings when installed and operated in accordance with these instructions. EFLA Oy liability is limited to replacement of component parts designed and manufactured by EFLA Oy which are proved to be defective in design, workmanship or material. For further details see our conditions of sale NL 92E.

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PREPARE BOTH FEMALE AND MALE BEFORE OPEN RESIN BAG

PLEASE READ INSTRUCTIONS CAREFULLY OF THE WHITE RESIN BAG

Step 1) Remove the rear part of the sealing and place over the cable. SEE ALSO ABCD DIMENSIONS FOR CUTTING (Table 1).

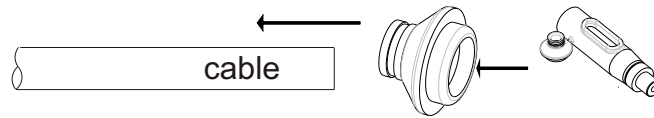
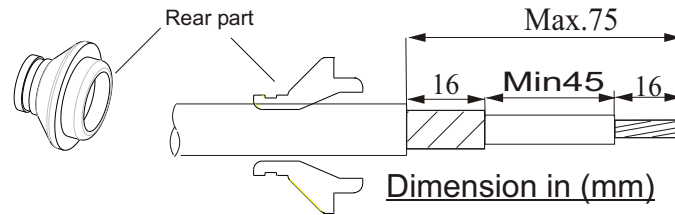


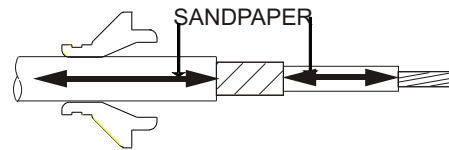
Table 1. ABCD DIMENSIONS FOR CUTTING

LETTER	CABLE Ø
A	8,00 – 10,50 mm
B	10,30 – 13,00mm
C	13,00 – 15,50mm
D	15,50 – 19,00 mm

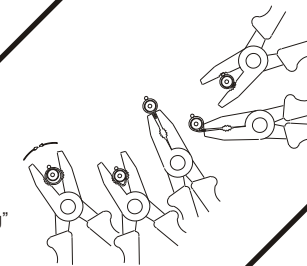
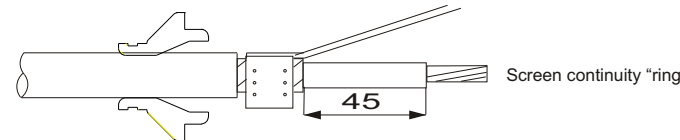
Step 2) Strip cable sheath according to pictures beside:
 - Strip cable screen (shield) (61± 2) mm including optional semi-conducting layer. Do not damage the shield. Make sure that no sharp edge of the screen defects the cable insulation
 - Strip cable insulation 16 (± 2) mm.
 - Remove any trace of semi-conducting tape, that may result low insulation resistance value.



Step 3) IMPORTANT: Roughen the outer sheath and core insulation with sandpaper for proper resin adhesion.

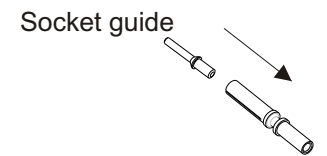
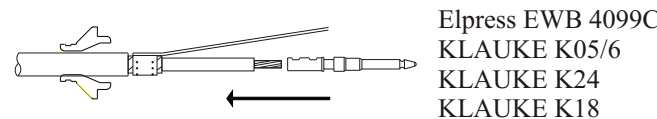


Step 4) Set the screen conducting ring around the cable screen (shield) and press it stage-wise according to the picture series beside.

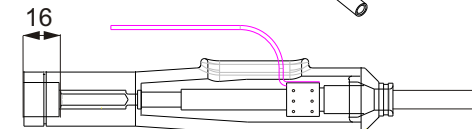
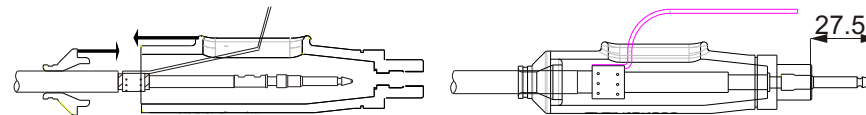


Repeat corresponding steps for female connector and use the socket guide. When pushing socket into receptacle rubber Housing. Prepare both plug and receptacle connectors before filling them with resin.

Step 5) Crimp the male pin to the cable conductor with a proper crimping tool (Some suitable crimping tools are listed on page 1).



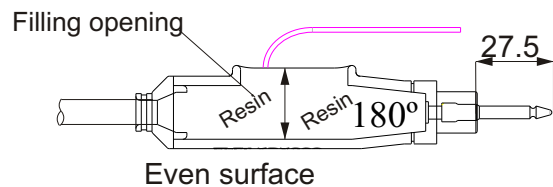
Step 6) Push the housing over the pin. Make sure that the housing is positioned correctly (27,5mm). Move also rear part so that housing and rear part are tight to gether..



Step 7) Open white resin bag ONLY when needed for use. Mix two components resin and hardener, following carefully instructions described on illustrated drawings 1,2,3,4,5 and 6 on the white bag. Please note Pot Life instructions

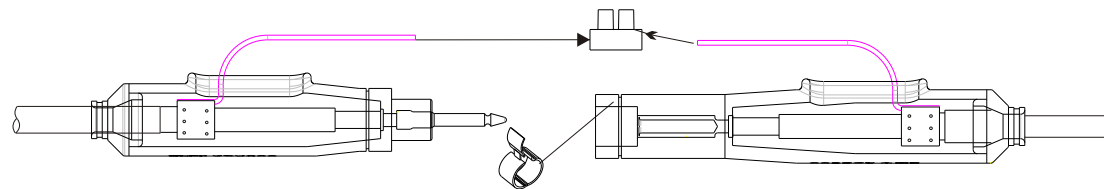
Fill rubber housing with resin mix. Place housing on even surface filling opening upwards. Make sure rubber housing is complete full. Wait 60 minutes before max. Current load.

DO NOT BEND CONNECTOR



KDR600 Connection and disconnection:

Connect housing surfaces together as shown on page 1. Set the locking device in order to avoid separation. Do not bend connector



Disconnection remove the locking device or tape from the joint of male and female. Pull the connector apart without bending.