



Installation of Screw Cable Lugs and Screw Connectors

Tested and approved for use on cables from DanCables that are constructed with the highly flexible, special-stranded Alukaflex® aluminium conductor.

Can also be used on cables constructed with fine-stranded Class 5 and extra fine-stranded Class 6 round copper conductors (Cu) in accordance with DIN EN 60228.

Instructions:

Installation work must be performed by trained personnel.

The conductor shall be stripped to the same length as the full depth of the screw ferrule.

An Alukaflex® conductor should be brushed immediately before insertion to remove any oxide layer.

The supplied ferrule must be used.

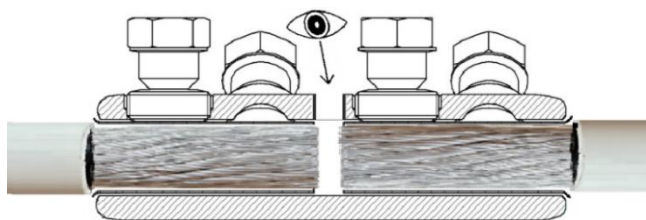
Contact grease shall be applied in sufficient quantity to ensure that all contact surfaces are covered.

The conductor must be undamaged, and all strands must be fully inserted into the ferrule.



The assembled conductor and ferrule are then inserted into the barrel.

Important: For screw connectors, both conductors must be terminated centrally at the small inspection hole.



The bolts are first tightened by hand with firm force.

Then use a hexagon socket wrench of the correct size (mm).

Bolts must be tightened alternately – a little at a time – to achieve uniform torque.

When the bolt shears off, the correct torque is achieved, which ensures optimal contact with the conductor.

Finish with a suitable adhesive-lined heat shrink tubing to seal the connection against dirt and water ingress and to reduce bending stress at the connection point.

**** Alukaflex® from DanCables:***

Alukaflex® is an innovative, highly flexible, special-stranded aluminium conductor developed by DanCables. With cross-sections up to 500 mm², it improves working conditions and speeds up installation.

At the same time, it enables new installation methods that traditional cables do not support.

Alukaflex® is available as installation cable, rubber cable, PUR cable as well as pre-assembled cable sets.

Data sheets, installation instructions and more can be requested from DanCables.