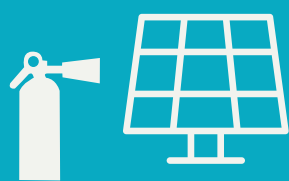


WHAT CONNECTOR TO BUY?



OCCASION: ROOF FIRES

Last year, we heard more and more about roof fires which were connected to solar panels. Investigations about those fires were being held to find out the cause for the fires.

More than 80-90% of the roof fires is caused by connectors.

ROADMAP FOR ASSEMBLING CONNECTORS

check-check-dubbelcheck

2. USE THE RIGHT SOLAR CABLE

When choosing a connector you have to take into account the total thickness of the selected solar cable.

Every connector has its own limited cable thickness range. For a good connection it is important that the total cable thickness of the solar cable corresponds to the possible OD (Outer Diameter) range of the connector.

Helukabel 4 mm² - 5,4 mm cable thickness
Helukabel 6 mm² - 6,2 mm cable thickness

1. ONLY USE CONNECTORS OF THE SAME BRAND & TYPE

Prevent crossmating by using the same brand and type of connector. Make sure you use the same connector as that of your solar panel.

Be aware: even though it seems that two different types of connectors fit well, the internal connection can increase the risk of fire.



USE THE RIGHT TOOLS



3. USE THE CORRECT CRIMPING TOOL

The use of the crimping tool is essential for a good connection of the wire to the metal part.

The crimping tool is suitable for 3 wire diameters. For the correct pressing force it is necessary that the forceps are used with the correct wire diameter.

4. USE THE SUITABLE KEY FOR WATERTIGHT CONNECTION

What happens if you use the wrong key?

- The cable quail is broken when the connector is tightened
- The connection is not watertight, so your installation is at risk

IMPORTANT: GOOD CABLE MANAGEMENT

- Ensure orderly cable routes, as a result of which you prevent cable erosion caused by messy cable routes.
- Use wire cable trays and cable ties, this allows you to easily keep the cables separate.
- Make sure that the cables do not get wet, let them run a few cm above the ground.
- Use different colours for the cables to recognize which current runs through it.