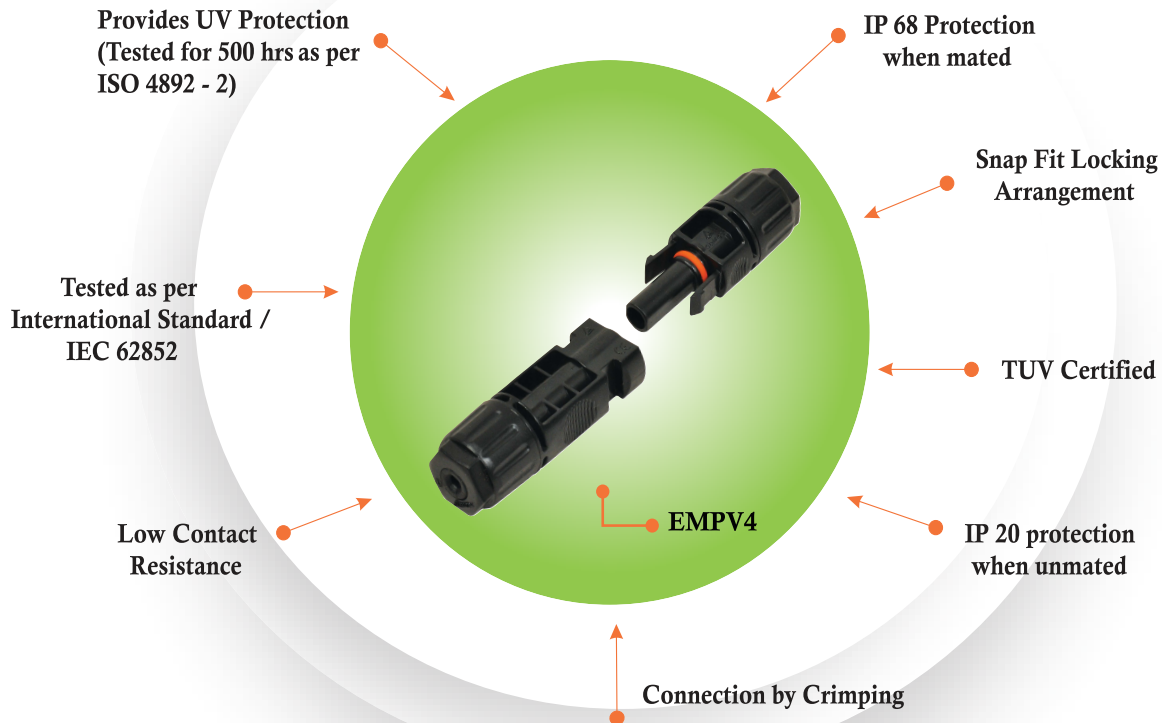


'elmex' has developed Solar Straight connector with plug and socket design suitable for **2.5, 4.0 & 6.0 mm²** size cables and are constructed using flame retardant engineering thermoplastic suitable for exposure to UV rays and for application in PV Power Generation strings. While small solar panels, commonly used for battery charging, may not require special connectors, larger terrestrial arrays for power generation involve higher currents and voltage and place special demands on both cables and connectors for safe operation. The **EMPV4** connectors incorporate a flexible watertight seal and are supplied as ' male (plug) ' and ' female (socket) ' types to minimize the chance of wrong connections. For proper seal, they require usage with the correct diameter cable, normally double - insulated (insulation plus black / red sheath) and UV protection (as UV rays tend to damage the connection).

Description	'elmex' Specification
Rated Voltage	1000V / 1500V DC
Rated Current	25A (2.5 mm ²), 30A (4.0 mm ² , 6.0 mm ²)
Test Voltage	6KV (50Hz)
Degree of Protection	IP 68
Contact Material	Copper with Tin Plating
Operating Temperature	-40° C to 85° C
Safety Class	II
Contact Resistance	< 0.5 mΩ
Insertion Force	≤ 50 N
Withdrawal Force	≥ 50 N
Suitable Cable	2.5 mm ² / 4.0 mm ² / 6.0 mm ²
Locking System	Snap In

SALIENT FEATURES



Note: Our Connectors are suitable for PV Solar cable of 2.5/4.0/6.0 mm² diameter (As per 2Pfg 1169/EN 50618).