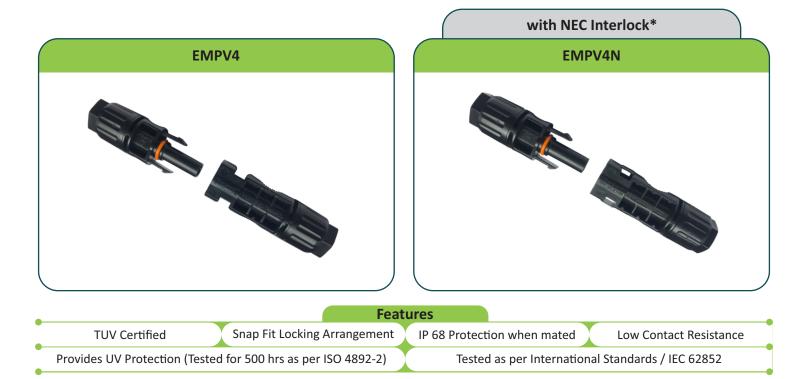




'elmex' PV Solar Straight connectors **EMPV4** & **EMPV4N** with plug & socket design are constructed using flame retardant engineering thermoplastic suitable for exposure to UV rays & for application in PV power generation system. These connectors incorporate a flexible water tight sealing conforming to IP 68 and are supplied as 'male (plug)' & 'female (socket)' types to minimize the chance of wrong connections. For proper assembly of individual male & female connectors & for proper functioning of the mated pair, it is necessary that solar cables used are TUV certified as per standard 2Pfg 1169/EN 50618. *'elmex'* straight connectors are certified for PV solar cables **2.5, 4.0, 6.0 mm**² size, double insulated (Insulation plus black/red sheath) & UV protection (as UV rays tend to damage the connection).



Description	Specifications
Rated Conductor Size	2.5 mm ² / 4.0 mm ² / 6.0 mm ²
Rated Voltage	1000V / 1500V DC
Rated Current	25A (2.5 mm²), 30A (4.0 mm², 6.0 mm²)
Test Voltage	6KV (1000V) / 8KV (1500V)
Degree of Protection	IP 68
Contact Material	Copper with Tin Plating
Ambient Temperature	-40° C to +85° C
Max. Operating Temp.	+110 [°] C
Safety Class	Ш
Contact Resistance	< 0.5mΩ
Insertion Force	≤ 50 N
Withdrawal Force	≥ 50 N
Locking System	Snap In



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

*Connectors when mated, need a tool to open in accordance with NEC 2014.