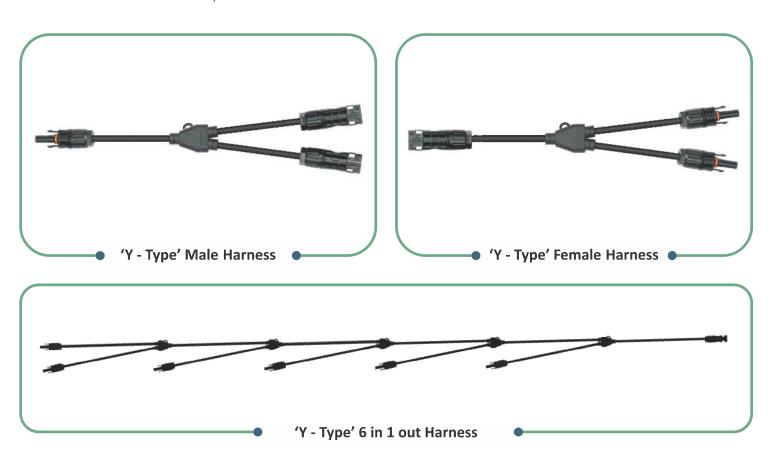
## 'elmex' PV Solar Over Moulded Wire Harnesses



'elmex' PV Solar Over Moulded Y-Type Wire Harness solutions are designed for photovoltaic applications, offering a versatile and reliable connection system with multiple input and output configurations. 'elmex' Y-Type wire harnesses feature a plug-and-socket design and are compatible with cable sizes of 2.5, 4.0, and 6.0 mm². The over-moulded wire harnesses are constructed using flame-retardant engineering thermoplastic elastomer, they are UV-resistant and engineered for long-lasting performance in PV power generation systems. The over-moulded wire harnesses are customizable, allowing for configuration with either straight connectors or inline fuse connectors, tailored to different cable sizes of 2.5, 4.0 & 6.0 mm².



Description	Specifications
Rated Voltage	1500V DC
Rated Output Current	25A (2.5 mm²), 45A (4 mm²), 54A (6 mm²)
RMS withstand Voltage	8 kV
Ambient temperature range	-40 °C +85 °C
Upper Limit Temperature	+110°C
Cable Cross Section	Available with 2.5 mm², 4.0 mm² and 6.0 mm²
Protection Class	Class II
Pollution Degree	2
Degree of Protection	IP68 (when mated)
Contact material	Copper with Tin Plating
Locking System	Snap In

Note: (1) 'elmex' Wire Harness solutions are customized, based on cable size, length & type of connectors.

- (2) Connectors when mated, need a tool to open in accordance with NEC 2014.
- (3) Solar DC Cable with 2.5  $\text{mm}^2$  / 4.0  $\text{mm}^2$  / 6.0  $\text{mm}^2$  are as per standard EN 50618/IEC 62930.