

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.



● **'Y - Type' Male Harness** ●



● **'Y - Type' Female Harness** ●



● **'Y - Type' 6 in 1 out Harness** ●

Description	Specifications
Rated Voltage	1500V DC
Rated Output Current	25A (2.5 mm ²), 45A (4 mm ²), 54A (6 mm ²)
RMS withstand Voltage	8 kV
Ambient temperature range	-40 °C ... +85 °C
Upper Limit Temperature	+110°C
Cable Cross Section	Available with 2.5 mm ² , 4.0 mm ² and 6.0 mm ²
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 mm² / 4.0 mm² / 6.0 mm² as per standard EN 50618/IEC 62930.