



SOLAR CABLE POLYCAB MAKE

Electrical Characteristics	
Rated Voltage	0.6 / 1 KV AC
Rated DC Voltage	1.5 kV
Maximum permitted DC Voltage	1.8 kV (conductor / conductor, non earthed system, circuit not under load)
Working Voltage	DC 1000 V
Maximum permitted AC Voltage	0.7 /1.2 Kv
Insulation Resistance	1000 MΩ -km
Voltage Withstand	6500 V
Spark Test	6000 Vac (8000 Vdc)

Thermal Characteristics	
Ambient Temperature	40°C
Short Circuit Temperature	200 °C
Maximum Temperature at conductor	120 °C
Thermal Endurance Test	According to EN 60216-2 (temperature index +120 °C)
High temperature pressure test	Test according to EN 60811-3-1

Mechanical Characteristics	
Notch Propagation	According to 2 pfg 1169/08.2007 Annex G
Minimum Bending Radius	5 xOD (fixed)
Shrinkage	2% at 120 °C
Tensiile strength	6.5 N /mm ² for insulation and 8 N/mm ² for sheathing