



6 SQ MM SOLAR CABLE

SPECIFICATION

Cable Make	Siechem Technologies Pvt Ltd
No.of Cores	1 Nos.
Cable Size	6 Sq.mm
Construction	As per TUV spec. 2Pfg.1169 / 08.2007
Voltage Rating	1.8 kV DC

CONDUCTOR

Material	Annealed Tinned Flexible Copper Conductor
Class of Conductor	Class 5
Cross sectional Area	6 Sq.mm
No.of Strands (Nom)	56 Nos
Wire Dia Max.	0.31 mm
Max. DC Conductor Resistance at 20°C	5.09 Ω/km

INSULATION AND OUTER SHEATH

Insulation Material	EBXL-XLPO 120°C
Nominal Thickness of Insulation	0.6 mm
Insulation Color	Red / Black
Insulation Resistance (Min)	1 x 10 ¹⁴ at 20°C ohm-cm
Outer sheaths Material	i) 50% Quantity - Black with Red Stripe ii) 50 % Quantity -Black
Overall Diameter of cable, Nom	5.5 ± 0.5 mm
Nom. Thickness of Outer sheath	0.6 mm
Approx Cable Weight	55 kg/km

ELECTRICAL AND ENVIRONMENTAL DATA

Max. Continuous Working Temp	120 °C
Current Rating two cables adjacent on surfaces	44 A
Max. Conductor Temp at Termination of Short Circuit	200 for 5 Sec °C