

Guaranteed Technical Particulars

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Cable Description : 1Cx6 Sq.mm Annealed Tinned Flexible Copper Conductor, EBXL XLPO 120°C Insulated & Sheathed 1.8 kV DC Solar Cable

Part Number			64923XXYY
S.No	Particulars	Unit	1 x 6
1.0	Make		Siechem Technologies Pvt Ltd
2.0	Cable Size	Sq.mm	6
3.0	No.of Cores	Nos.	1
4.0	Construction		As per TUV spec. 2Pfg.1169 / 08.2007
5.0	Voltage Rating	kV	1.8 kV DC
6.0	CONDUCTOR		
6.1	Material		Annealed Tinned Flexible Copper Conductor
6.2	Cross sectional Area	Sq.mm	6
6.3	Class of Conductor		Class 5
6.4	Wire Dia Max.	mm	0.31
6.5	Max. DC Conductor Resistance at 20°C	ohm/km	3.39
7.0	INSULATION		
7.1	Material		EBXL-XLPO 120°C
7.2	Nominal Thickness of Insulation	mm	0.7
7.3	Insulation Resistance (Min)	ohm-cm	1 x 10 ¹⁴ at 20°C
7.4	Core Identification		Red / Black
8.0	OUTER SHEATH		
8.1	Material		EBXL-XLPO 120°C
8.2	Sheath Colour		Black with Red Stripe / Black
8.3	Nom. Thickness of Outer sheath	mm	0.7
8.4	Overall Diameter of cable, Nom	mm	6.0 ± 0.5
8.5	Approx Cable Weight	kg/km	75
8.6	Marking on the Cable (Printing)		Siechem PV1 - F 1Cx6 Sq.mm 1.8kV DC EBXL XLPO 120°C TUV 2Pfg.1169 / 08.2007 SOLAR CABLE (at every 1 metre instead of 550 mm)
9.0	ELECTRICAL DATA		
9.1	Current Rating two cables adjacent on surfaces	A	57
9.2	Max. Continuous Working Temp	°C	120
9.3	Max. Conductor Temp at Termination of Short Circuit	°C	280
10.0	Packing length	mtr	1000 ± 10%

Note:

- i) 50 % Quantity will be with Red Insulation, Black Outersheath with Red Stripe.
- ii) Balance 50 % Quantity Black Insulation with Black Outersheath.
- iii) Included printing at every 1 meter in cable marking instead of 550 mm specified in the specification.
- iv) Due to manufacturing constraint/frequent power failure upto 25% of the quantity may please be accepted in non standard lengths. However each length not less than 100 mtrs
- v) Dimensions mentioned as 'nominal' is for guideline purpose only. The actual dimensions are subjected to manufacturing tolerance. Hence the actual dimensions, when cable supplied may marginally vary

Insulation Colour XX* - Red - 01, Black-04
Sheath Colour YY* - Black with red stripe - 39, Black-04

