

Synergy Telecom P Ltd.

2.5SQ MM SOLAR CABLE



Sr. No.	Description	Parameter	Unit	Specified Value
1	Conductor – Class-5 (As per IS-8130 : 1984)	Material	---	Flexible Annealed Bare Copper Conductor
		Conductor Size	mm (max)	0.26
		Area	Sqmm (nom)	2.50
		Conductor Elongation	% (min)	13.5
		Conductor Resistance at 20 ⁰ C	Ω / Km (max)	7.98
2	Insulation	Material	---	PVC Type – A
		Thickness	mm (nom)	0.80
		Dia over Insulation	mm (nom)	3.40
		Core color	---	Red
		Tensile Test (Sheath)	N/sqmm (min)	12.5
		Elongation (Sheath)	% (min)	150
3	Outer sheath (As per IS – 5831:1984)	Material	---	PVC ST-1(UV Protected)
		Thickness	mm (nom)	0.80
		Over all dia meter	mm(Max)	5.80
		Color	---	BLACK (Red Strip)
		Tensile Test (Sheath)	N/sqmm (min)	12.5
		Elongation (Sheath)	% (min)	150
4	Electrical parameter	Conductor Resistance at 20 ⁰ C	Ω / Km (max)	7.98
		Insulation Resistance Constant at 27 ⁰ C	MΩ-Km (min)	36.7
		Volume Resistivity at 27 ⁰ C	Ω-Cm (min)	1 x 10 ¹³
		Rated Voltage of Cable	Volts	up to 1100
		High Voltage Test: The Unclamped portion from the lower edge of the top clamp	kv/rms (for 5 minute)	3
5	Flammability Test (As per IS-694 :1990)	mm (min)		50
		Period of burning after removal of flame	Sec (max)	60
6	Packing Length		Mtrs	As per Customer Requirement
7	Printing	BCCPL Years – 1C x 2.50 sqmm Cu Flexible 1100 V “YY” Cable. Batch No ---- Mtr		

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