

GUARANTEED TECHNICAL PARTICULARS			
Sr. No.	Description	Unit	Particulars
1.00	Manufacture		WAACAB
2.00	Rated Voltage	Volts	1500 Volts
3.00	Permissible Voltage	%	Voltage \pm 10
4.00	Number of Cores	Nos	1
Conductor			
5.10	Material		EC grade High Conductivity Annealed Tinned Copper Conductor Class 5
5.20	Nominal Cross Sectional Area	Sq mm	4.00
5.30	Shape of Conductor		Stranded Round Compacted
5.40	Number of strands/Diameter of strands	No./mm	56/0.250 (\pm 5% tolerance)
Maximum conductor temperature			
6.10	Continuous Operation	$^{\circ}$ C	70
6.20	Short Circuit Operation	$^{\circ}$ C	160
Insulation			
7.10	Material		FR PVC
7.20	Nominal Thickness of Insulation	mm	0.70
7.30	Insulation Color		White (Natural)
Sheath			
8.10	Material		FRLS PVC
8.20	Nominal Thickness of Sheath	mm	0.80
8.30	Sheath Color		Black / Black + Red Strip
8.40	Overall Diameter	mm	5.40 (\pm 0.40)
FRLS Properties			
9.10	Oxygen index test		Min. 29%
9.20	Temperature index test		Min. 250 $^{\circ}$ C at 21% Oxygen index
9.30	Smoke density test		Max. 60%
9.40	Halogen acid gas test		Max. 20%
9.50	Flame retardant test on complete cable		Min. 50 mm unaffected portion from top clamp
Continuous Current rating of the Cable			
10.10	In Air & Ground	Amps	30.14
10.20	Maximum Permissible Short Circuit Current for 1 Second	KA	0.315
Printing			WAACAB 1.5 KV 4.0 SQ MM DC Solar Cable Length Marking
Packing			
11.10	Coil Length	mtr	As Per Relevant Standard
Note: - The values given above are subject to tolerances as per the relevant standards. Datasheet prepared / tech specification designed as per the special requirements of client.			

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