



Technical Particulars of Solar DC Cables.

Customer Name : Sarv Wires And Cables Private Limited

Sr.No.	Description	Unit	1Cx2.5	1Cx4	1Cx6	1Cx10	1Cx16
			Sq.mm	Sq.mm	Sq.mm	Sq.mm	Sq.mm
1	ManufacturerName		HAREY KRISHNA CABLESPVT. LTD.				
2	BrandName		RHEIN				
3	Rateda.c.Voltage		0.6/1kV				
	Ratedd.c.Voltage		1.8kV				
4	CONDUCTOR						
a)	Material		AnnealedTinnedFlexiblecopperconductor[IEC-60228/DINVE0295]				
b)	ConductorSize	Sq.mm	2.5	4	6	10	16
c)	No/MaximumDia.ofstrands	No/mm	36x0.3	37x0.37	37x0.45	140x0.3	224x0.3
d)	Max.D.CCond.Resistanceat20Deg.C.	Ohm/km	8.20	5.07	3.35	1.90	1.21
e)	Conductor Diameter minimum	mm	1.9 ±0.02	2.5 ±0.2	2.9 ±0.2	3.8 ±0.2	4.7 ±0.2
5	INSULATION						
a)	Material		Enriched German Compound withHalogenFreeFireRetardant				
b)	MinimumThickness	mm	0.5	0.5	0.5	0.5	0.5
c)	Inulationcolour		In Black				
6	Sheath						
a)	Material		Enriched German Compound withHalogenFreeFireRetardantCompound				
c)	MinimumThickness	mm	0.5	0.5	0.5	0.5	0.5
c)	Outersheathcolour		BlackwithRedStripeoutersheathingfor+veDC&Blackoutersheathingfor-veDC				
7	NominalOverallDiameter	mm	4.55±0.5mm	5.2±0.5mm	6.3±0.5mm	6.7±0.5mm	7.9±0.5mm
8	CurrentratinginAir	A	40	54	68	95	128
9a)	Lowerambienttemperature	°C	-40°C				
b)	Upperambienttemperature	°C	+90°C				
10	Max. conductor temp.under normal operating conditions	°C	120°C				
11	Max.conductortempattheterminationofshortcircuit	°C	210°C for 6 seconds				
12	Standardstowhichthecablesconfirm		TUV Specification-2 Pfg 1169/08.2007, Flame retardant according to IEC 60332-1-2,Halogen free according to EN 50627-2-2,Ozone resistant according EN 50396,Weather/UV resistant according to DIN 53387				
13	Recommendedminimumbendingradiusinmm		8-10timestheoveralldiameterofthecable				
14	Max.Tensilestrengthwhenpulledwithpullingeye	Kg	14	21.5	33	53	84
15	Printing		RHEIN SOLAR DC CABLE 1 CORE x 2.5 SQ. MM. AS PER 2PFG	RHEIN SOLAR DC CABLE 1 CORE x 4 SQ. MM. AS PER 2PFG	RHEIN SOLAR DC CABLE 1 CORE x 6 SQ. MM. AS PER 2PFG	RHEIN SOLAR DC CABLE 1 CORE x 10 SQ. MM. AS PER 2PFG	RHEIN SOLAR DC CABLE 1 CORE x 16 SQ. MM. AS PER 2PFG

FOR HAREY KRISHNA CABLES PVT.LTD.
VARUN
KUMAR