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SINGLE COPPER PVC INSULATED CABLE

PRODUCT DETAILS

Single Core, Copper Conductor, PVC Insulated, Un-armoured / GS Round wire Armoured / GS Flat Strip Armoured, PVC Outer Sheath Cable conforming to IS 1554 Part-1 with up to date amendment.

- Voltage Rating : 1100 Volts
- Temperature Rating : -5°C to +70°C / 85°C
- UV Resistance
- RoHS Compliant



TECHNICAL SPECIFICATIONS

Material		Ref. Spec
Conductor	Copper Conductor	IS 8130
Insulation	Extruded PVC Type -A, Extruded HR PVC Type -C	IS 5831
Insulation Colour	Natural or Red or Yellow, or Blue or Black	IS 1554 Part-1
Inner Sheath	Not Applicable	IS 5831
Armouring (as applicable)	GS Round Wire, GS Flat Strip	IS 3975
Outer Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Colour	Black or optional	
Special Properties (on request)	Flame Retardant Flame Retardant Low Smoke Flame Retardant Low Smoke Zero Halogen	

Cross Sectional Area (sqmm)	Insulation Thickness (Nominal)	Inner Sheath Thickness (Minimum)	Unarmoured Cables (YY)		Flat Strip Armoured Cable (YFaY)			Round Wire Armoured Cable (YWaY)			Current Rating		DC Resistance At 20°C (Max)	AC Resistance
			Outer Sheath Thickness (Nominal)	Overall Diameter (Approx)	Armour Dimension (Flat Strip)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Armour Dimension (Round Wire)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Ground	Air		
4	1.0	1.8	8.0	1.3	-	-	-	1.4	1.24	11.0	39	35	4.61	5.53
6	1.0	1.8	9.0	1.3	-	-	-	1.4	1.24	12.0	49	44	3.08	3.70
10	1.0	1.8	10.0	1.3	-	-	-	1.4	1.24	13.0	65	60	1.83	2.20
16	1.0	1.8	11.0	1.3	-	-	-	1.4	1.24	14.0	85	82	1.15	1.38
25	1.2	1.8	13.0	1.5	-	-	-	1.4	1.24	15.0	110	110	0.727	0.872
35	1.2	1.8	14.0	1.5	-	-	-	1.4	1.24	16.0	130	130	0.524	0.629
50	1.4	1.8	16.0	1.7	-	-	-	1.4	1.24	18.0	155	165	0.387	0.464
70	1.4	1.8	17.0	1.7	-	-	-	1.4	1.40	20.0	190	205	0.268	0.322
95	1.6	1.8	19.0	1.9	4 x 0.80	1.40	21	1.6	1.40	22.0	220	245	0.193	0.232
120	1.6	2.0	21.0	1.9	4 x 0.80	1.40	23	1.6	1.40	24.0	250	280	0.153	0.184
150	1.8	2.0	23.0	2.1	4 x 0.80	1.40	24	1.6	1.40	26.0	280	320	0.124	0.149
185	2.2	2.0	25.0	2.3	4 x 0.80	1.40	27	1.6	1.40	29.0	305	370	0.0991	0.119
240	2.2	2.0	28.0	2.5	4 x 0.80	1.40	30	1.6	1.56	32.0	345	425	0.0754	0.0905
300	2.4	2.0	30.0	2.7	4 x 0.80	1.56	32	1.6	1.56	33.0	375	475	0.0601	0.0721
400	2.6	2.2	35.0	3.0	4 x 0.80	1.56	37	2.0	1.56	39.0	400	550	0.0470	0.0564

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