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SINGLE COPPER XLPE INSULATED CABLE

PRODUCT DETAILS

Single Core, Copper Conductor, XLPE Insulated, Un-armoured / GS Round wire Armoured / GS Flat Strip Armoured, PVC Outer Sheath Cable conforming to IS 7098 Part-1 with up to date amendment.

- Voltage Rating : 1100 Volts
- Temperature Rating : -40°C to +90°C
- UV Resistance
- RoHS Compliant



TECHNICAL SPECIFICATIONS

Material		Ref. Spec
Conductor	Copper Conductor	IS 8130
Insulation	XLPE	IS 7098 Part-1
Insulation Colour	Natural or Red or Yellow, or Blue or Black	IS 7098 Part-1
Inner Sheath	Not Applicable	-
Armouring (as applicable)	GS Round Wire GS Flat Strip	IS 8130
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 (A2XY)		Flat Strip Armoured Cable (A2XFY)			Round Wire Armoured Cable (A2XWY)			Current Rating		DC Resistance At 20°C (Max)	AC Resistance At 90°C (Approx)
			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	0.7	1.8	7	1.0	-	-	-	1.4	1.24	10	48	45	4.61	5.90
6	0.7	1.8	8	1.0	-	-	-	1.4	1.24	11	60	57	3.08	3.94
10	0.7	1.8	9	1.0	-	-	-	1.4	1.24	12	80	77	1.83	2.34
16	0.7	1.8	10	1.0	-	-	-	1.4	1.24	13	104	106	1.15	1.47
25	0.9	1.8	12	1.2	-	-	-	1.4	1.24	15	130	145	0.727	0.930
35	0.9	1.8	13	1.2	-	-	-	1.4	1.24	16	155	175	0.524	0.671
50	1.0	1.8	15	1.3	-	-	-	1.4	1.24	18	185	215	0.387	0.495
70	1.1	1.8	16	1.4	-	-	-	1.4	1.24	20	225	270	0.268	0.343
95	1.1	1.8	18	1.4	4 x 0.80	1.4	20	1.6	1.4	22	265	330	0.193	0.247
120	1.2	1.8	19	1.5	4 x 0.80	1.4	22	1.6	1.4	23	300	380	0.153	0.196
150	1.4	2.0	22	1.7	4 x 0.80	1.4	23	1.6	1.4	25	335	430	0.124	0.159
185	1.6	2.0	24	1.9	4 x 0.80	1.4	25	1.6	1.4	27	380	495	0.0991	0.127
240	1.7	2.0	26	2.0	4 x 0.80	1.4	28	1.6	1.4	29	435	590	0.0754	0.0965
300	1.8	2.0	29	2.1	4 x 0.80	1.56	30	1.6	1.56	32	490	670	0.0601	0.0769
400	2.0	2.2	33	2.4	4 x 0.80	1.56	35	2.0	1.56	37	550	780	0.0470	0.0602

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