



FOUR CORE COPPER XLPE INSULATED CABLE

PRODUCT DETAILS

4 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	Red, Yellow, Blue & Black	IS 7098 Part-1
Inner Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	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 (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	0.3	1.8	16	-	-	-	1.4	1.24	16	44	39	4.61	5.90
6	0.7	0.3	1.8	17	-	-	-	1.4	1.24	17	55	50	3.08	3.94
10	0.7	0.3	1.8	18	-	-	-	1.4	1.4	19	74	67	1.83	2.34
16	0.7	0.3	1.8	19	4 x 0.80	1.4	20	1.6	1.4	21	94	85	1.15	1.47
25	0.9	0.3	2.0	22	4 x 0.80	1.4	23	1.6	1.4	25	120	125	0.727	0.930
35	0.9	0.3	2.0	24	4 x 0.80	1.4	25	1.6	1.4	26	145	155	0.524	0.671
50	1.0	0.3	2.0	27	4 x 0.80	1.56	29	1.6	1.56	30	170	190	0.387	0.495
70	1.1	0.4	2.2	32	4 x 0.80	1.56	33	2.0	1.56	35	210	235	0.268	0.343
95	1.1	0.4	2.2	35	4 x 0.80	1.56	36	2.0	1.72	38	250	290	0.193	0.247
120	1.2	0.5	2.4	39	4 x 0.80	1.72	40	2.0	1.88	43	285	330	0.153	0.196
150	1.4	0.5	2.6	42	4 x 0.80	1.88	44	2.5	2.04	48	315	375	0.124	0.159
185	1.6	0.5	2.8	47	4 x 0.80	2.04	48	2.5	2.20	52	355	435	0.0991	0.127
240	1.7	0.6	3.0	53	4 x 0.80	2.20	54	2.5	2.36	58	410	510	0.0754	0.0965
300	1.8	0.7	3.2	58	4 x 0.80	2.36	60	3.15	2.52	65	460	590	0.0601	0.0769
400	2.0	0.7	3.6	66	4 x 0.80	2.68	67	3.15	2.84	72	520	670	0.0470	0.0602

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