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THREE CORE COPPER PVC INSULATED CABLE

PRODUCT DETAILS

3 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	Red, Yellow & Blue	IS 1554 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 (YY)		Flat Strip Armoured Cable (YFY)			Round Wire Armoured Cable (YWY)			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	0.3	1.8	16	-	-	-	1.4	1.24	18	36	30	4.61	5.53
6	1.0	0.3	1.8	18	-	-	-	1.4	1.24	19	49	39	3.08	3.70
10	1.0	0.3	1.8	19	-	-	-	1.4	1.40	21	60	52	1.83	2.20
16	1.0	0.3	1.8	19	4 x 0.80	1.40	20	1.6	1.40	21	77	66	1.15	1.38
25	1.2	0.3	2.0	22	4 x 0.80	1.40	23	1.6	1.40	23	99	90	0.727	0.872
35	1.2	0.3	2.0	24	4 x 0.80	1.40	24	1.6	1.40	26	120	110	0.524	0.629
50	1.4	0.3	2.0	27	4 x 0.80	1.56	27	1.6	1.56	29	145	135	0.387	0.464
70	1.4	0.4	2.2	30	4 x 0.80	1.56	31	2.0	1.56	33	175	165	0.268	0.322
95	1.6	0.4	2.2	34	4 x 0.80	1.56	35	2.0	1.56	37	210	200	0.193	0.232
120	1.6	0.4	2.2	37	4 x 0.80	1.72	37	2.0	1.72	39	240	230	0.153	0.184
150	1.8	0.5	2.4	40	4 x 0.80	1.88	41	2.0	1.88	43	270	265	0.124	0.149
185	2.0	0.5	2.6	44	4 x 0.80	1.88	46	2.5	2.04	49	300	305	0.0991	0.119
240	2.2	0.6	2.8	50	4 x 0.80	2.20	51	2.5	2.20	54	345	355	0.0754	0.0905
300	2.4	0.6	3.0	55	4 x 0.80	2.36	56	2.5	2.36	59	385	400	0.0601	0.0721
400	2.6	0.7	3.4	62	4 x 0.80	2.52	63	3.15	2.68	68	425	435	0.0470	0.0564

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1800-121-222-999 | info@svarn.com | www.svarn.com

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