

PVC Single Core Flexible Cables

CALTER 650/1100V Grade Single Core Multi-Strand Annealed Bright, Unlany Copper Conductor, PVC Insulated Cables
Conforming to ISI 694/90



Construction

Conductor : Electrolytic Stranded plain Copper Class - 2 according to IS-8130
Insulation : FLAME RETARDANT (FR) PVC
Application : Used for induct wiring (House Wire)

Conductor Area	No & size of Strand	Max DC Resistance at 20°C (Copper)	Nominal insulation thickness	Nominal Overall Diameter	Current carrying capacity Copper Conductor
Sq mm	mm	ohms/km	mm	mm	A
0.75	24/0.2	26.00	0.60	2.50	7
1.00	14/0.3	18.10	0.70	2.80	12
1.50	22/0.3	12.10	0.70	3.10	16
2.50	36/0.3	7.41	0.80	3.60	22
4.00	56/0.3	4.61	0.80	4.20	29
6.00	84/0.3	3.30	0.80	4.80	37



Construction

Conductor : Electrolytic Stranded plain Copper Class - 5 according to IS-8130
Insulation : PVC Type-A
Application : Industrial Flexible Single Core

Conductor Area	No & size of Strand	Max DC Resistance at 20°C (Copper)	Nominal insulation thickness	Nominal Overall Diameter	Current carrying capacity Copper Conductor
Sq mm	mm	ohms/km	mm	mm	A
0.50	16/0.2	39.00	0.60	2.30	5
0.75	24/0.2	26.00	0.60	2.50	8
1.00	32/0.2	19.50	0.70	2.80	13
1.50	30/0.25	13.30	0.70	3.10	17
2.50	50/0.25	7.98	0.80	3.60	24
4.00	56/0.3	4.95	0.80	4.20	30
6.00	84/0.3	3.30	0.80	4.80	38
10.00	80/0.4	1.91	1.00	6.50	52
16.00	126/0.4	1.24	1.00	7.50	70
25.00	196/0.4	0.780	1.20	9.20	88
35.00	276/0.4	0.554	1.20	11.00	110
50.00	397/0.4	0.386	1.40	12.00	145
70.00	360/0.5	0.272	1.40	13.50	215
95.00	484/0.5	0.206	1.60	16.00	260
120.00	608/0.5	0.161	1.60	17.20	305
150.00	750/0.5	0.129	1.80	19.00	355
185.00	925/0.5	0.106	2.00	21.00	415
240.00	1200/0.5	0.0801	2.20	24.00	500

R Current Carrying Capacity is given considering the standard condition and basic assumption of laying as per ISI 3961 (Part V) 1967