

MEGA KABEL PRODUCTS SPECIFICATION



CONSTRUCTION

CONDUCTOR	: PLAIN ANNEALED COPPER CONDUCTOR
INSULATION	: PVC COMPOUND
COLOUR OF INSULATION	: RED, YELLOW, BLUE, GREEN, BLACK OR WHITE
OTHER COLOUR	: UPON REQUEST

PVC-INSULATED, NON-SHEATHED CABLES.

MS 2112-3 : 2009

450 / 750 VOLTS

MAXIMUM CONDUCTOR TEMPERATURE: 70 °C

Cross Sectional Area of Conductor mm ²	Insulation Thickness mm	Mean Overall Diameter		Max. Conductor Resistance at 20° C Ω/km	Min. Insulation Resistance at 70° C MΩ/km	Approx. Weight Per 100 Meter Kg
		Lower Limit mm	Upper Limit mm			
1.5	0.7	2.7	3.3	12.1	0.0100	2.1
2.5	0.8	3.3	4.0	7.41	0.0090	3.3
4	0.8	3.8	4.6	4.61	0.0077	4.9
6	0.8	4.3	5.2	3.08	0.0065	6.9
10	1.0	5.6	6.7	1.83	0.0065	11.6
16	1.0	6.4	7.8	1.15	0.0050	17.9
25	1.2	8.1	9.7	0.727	0.0050	28.0
35	1.2	9.0	10.9	0.524	0.0043	37.5
50	1.4	10.6	12.8	0.387	0.0043	50.5
70	1.4	12.1	14.6	0.268	0.0035	71.5
95	1.6	14.1	17.1	0.193	0.0035	98.5
120	1.6	15.6	18.8	0.153	0.0032	122.0
150	1.8	17.3	20.9	0.124	0.0032	150.5
185	2.0	19.3	23.3	0.0991	0.0032	188.5
240	2.2	22.0	26.6	0.0754	0.0032	246.0
300	2.4	24.5	29.6	0.0601	0.0030	307.5
400	2.6	27.5	33.2	0.0470	0.0028	391.5
500	2.8	30.5	37.0	0.0366	0.0028	499.2
630	2.8	34.0	41.0	0.0283	0.0025	634.3

Notes: Current rating and voltage drop refer to Page A - 1