

MEGA KABEL PRODUCTS SPECIFICATION



PVC-INSULATED, PVC-SHEATHED CABLES.

CONSTRUCTION

CONDUCTOR	: PLAIN ANNEALED COPPER CONDUCTOR
INSULATION	: PVC
COLOUR OF INSULATION	: RED or BLACK
COLOUR OF SHEATH	: BLACK
OTHER COLOUR OF INSULATION & SHEATH	: UPON REQUEST

MS 2100 : 2007

600 / 1000 VOLTS

MAXIMUM CONDUCTOR OPERATING TEMPERATURE: 70° C

Cross Sectional Area of Conductor mm ²	Nominal Thickness of Insulation mm	Nominal Thickness of Over sheath mm	Approx. Overall Diameter mm	Approx. Weight Per 1000 Meter
				kg
1.5	0.8	1.4	6.2	55
2.5	0.8	1.4	6.7	68
4	1.0	1.4	7.6	95
6	1.0	1.4	8.2	120
10	1.0	1.4	9.1	169
16	1.0	1.4	10.2	227
25	1.2	1.4	11.9	341
35	1.2	1.4	13.1	440
50	1.4	1.4	15.1	592
70	1.4	1.4	16.9	808
95	1.6	1.5	19.4	1100
120	1.6	1.5	21.0	1353
150	1.8	1.6	23.2	1658
185	2.0	1.7	25.8	2065
240	2.2	1.8	29.0	2681
300	2.4	1.9	32.1	3335
400	2.6	2.0	35.8	4219
500	2.8	2.1	39.6	5268
630	2.8	2.2	43.8	6681
800	2.8	2.3	48.0	8598
1000	3.0	2.5	53.7	10700

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

MEGA KABEL PRODUCTS SPECIFICATION

• **PVC INSULATED CABLES** •



PVC-INSULATED, PVC-SHEATHED CABLES.

CONSTRUCTION

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

MS 2100 : 2007

600 / 1000 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	0.01 00	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

MEGA KABEL PRODUCTS SPECIFICATION

• PVC INSULATED CABLES •



PVC-INSULATED, PVC-SHEATHED CABLES.

CONSTRUCTION

CONDUCTOR	: PLAIN ANNEALED COPPER CONDUCTOR
INSULATION	: PVC
COLOUR OF INSULATION	: RED or BLACK
COLOUR OF SHEATH	: BLACK
OTHER COLOUR OF INSULATION & SHEATH	: UPON REQUEST

MS 2112-4 : 2009

300/500 VOLTS

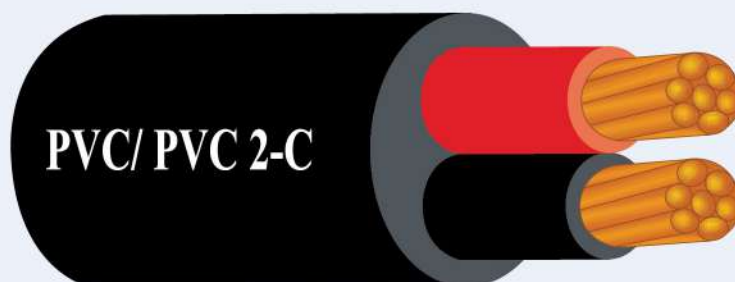
MAXIMUM CONDUCTOR TEMPERATURE: 70 °C

Cross Sectional Area of Conductor mm ²	Insulation Thickness mm	Sheath Thickness mm	Approx. Overall Diameter		Max. Conductor Resistance at 20 °C Ω/Km	Minimum Insulation Resistance at 70 °C MΩ/Km	Approx. Weight Per 100 Meter Kg
			Lower Limit mm	Upper Limit mm			
1.5	0.7	0.8	4.3	5.0	12.10	0.0110	3.5
2.5	0.8	0.9	5.0	6.0	7.41	0.0077	5.2
4	0.8	0.9	5.4	6.8	4.61	0.0077	7.1
6	0.8	0.9	6.0	7.4	3.08	0.0065	9.4
10	1.0	1.0	7.2	8.8	1.83	0.0065	14.5
16	1.0	1.0	8.4	10.5	1.15	0.0052	22.0
25	1.2	1.1	10.0	12.5	0.727	0.0050	32.7
35	1.2	1.1	11.0	13.5	0.524	0.0044	43.4

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

MEGA KABEL PRODUCTS SPECIFICATION

• PVC INSULATED CABLES •



PVC-INSULATED, PVC-SHEATHED CABLES.

CONSTRUCTION

CONDUCTOR	: PLAIN ANNEALED COPPER CONDUCTOR
INSULATION	: PVC
COLOUR OF INSULATION	: TWO CORE - RED, BLACK OR BLUE, BROWN
	: PVC
COLOUR OF SHEATH	: BLACK OR GREY
OTHER COLOUR OF INSULATION & SHEATH	: UPON REQUEST

MS 2112-4 : 2009

300/500 VOLTS

MAXIMUM CONDUCTOR TEMPERATURE: 70 °C

Cross Sectional Area of Conductor mm ²	Insulation Thickness mm	Sheath Thickness mm	Approx. Overall Diameter		Max. Conductor Resistance at 20 °C Ω/Km	Minimum Insulation Resistance at 70 °C MΩ/Km	Approx. Weight Per 100 Meter Kg
			Lower Limit mm	Upper Limit mm			
1.5	0.7	1.2	7.0	9.3	12.1	0.0100	11.4
2.5	0.8	1.2	8.2	11.2	7.41	0.0090	14.4
4	0.8	1.2	9.2	12.2	4.61	0.0077	19.6
6	0.8	1.2	10.2	13.2	3.08	0.0065	25.9
10	1.0	1.4	12.7	16.3	1.83	0.0065	41.3
16	1.0	1.4	14.3	18.8	1.15	0.0052	59.5
25	1.2	1.4	16.9	22.4	0.727	0.0050	67.4
35	1.2	1.6	19.0	25.5	0.524	0.0044	91.2

BS 6004

300/500 VOLTS

Cross Sectional Area of Conductor mm ²	Insulation Thickness mm	Sheath Thickness mm	Approx. Overall Diameter		Max. Conductor Resistance at 20 °C Ω/Km	Minimum Insulation Resistance at 70 °C MΩ/Km	Approx. Weight Per 100 Meter Kg
			Lower Limit mm	Upper Limit mm			
2.5 (F/T)	0.8	1.0	5.2 x 8.6	6.6 x 10.5	7.41	0.0100	11.0

Notes: Current rating and voltage drop refer to Page A - 3

MEGA KABEL PRODUCTS SPECIFICATION

• PVC INSULATED CABLES •



PVC-INSULATED, PVC-SHEATHED CABLES.

CONSTRUCTION

CONDUCTOR	: PLAIN ANNEALED COPPER CONDUCTOR
INSULATION	: PVC
COLOUR OF INSULATION	: THREE CORE - RED, YELLOW AND BLUE
	: PVC
COLOUR OF SHEATH	: BLACK
OTHER COLOUR OF INSULATION & SHEATH	: UPON REQUEST

MS 2112-4 : 2009

300/500 VOLTS

MAXIMUM CONDUCTOR TEMPERATURE: 70 °C

Cross Sectional Area of Conductor mm ²	Insulation Thickness mm	Sheath Thickness mm	Approx. Overall Diameter		Max. Conductor Resistance at 20 °C Ω/Km	Minimum Insulation Resistance at 70 °C MΩ/Km	Approx. Weight Per 100 Meter Kg
			Lower Limit mm	Upper Limit mm			
1.5	0.7	1.2	7.4	10.2	12.1	0.0100	13.2
2.5	0.8	1.2	8.6	11.7	7.41	0.0090	20.1
4	0.8	1.2	9.7	12.7	4.61	0.0077	24.0
6	0.8	1.4	11.2	14.7	3.08	0.0065	32.0
10	1.0	1.4	13.3	17.8	1.83	0.0065	52.4
16	1.0	1.4	15.3	20.3	1.15	0.0052	76.4
25	1.2	1.6	18.9	24.4	0.727	0.0050	116.2
35	1.2	1.6	20.0	27.0	0.524	0.0044	131.6

Notes: Current rating and voltage drop refer to Page A - 3

MEGA KABEL PRODUCTS SPECIFICATION

• PVC INSULATED CABLES •



PVC-INSULATED, PVC-SHEATHED CABLES.

CONSTRUCTION

CONDUCTOR	: PLAIN ANNEALED COPPER CONDUCTOR
INSULATION	: PVC
COLOUR OF INSULATION	: FOUR CORE - RED, YELLOW, BLUE AND BLACK
	: PVC
COLOUR OF SHEATH	: BLACK
OTHER COLOUR OF INSULATION & SHEATH	: UPON REQUEST

MS 2112-4 : 2009

300/500 VOLTS

MAXIMUM CONDUCTOR TEMPERATURE: 70 °C

Cross Sectional Area of Conductor mm ²	Insulation Thickness mm	Sheath Thickness mm	Approx. Overall Diameter		Max. Conductor Resistance at 20 °C Ω/Km	Minimum Insulation Resistance at 70 °C MΩ/Km	Approx. Weight Per 100 Meter Kg
			Lower Limit mm	Upper Limit mm			
1.5	0.7	1.2	8.2	11.2	12.1	0.0100	15.3
2.5	0.8	1.2	9.2	12.7	7.41	0.0090	23.0
4	0.8	1.4	11.2	14.2	4.61	0.0077	31.0
6	0.8	1.4	12.2	16.2	3.08	0.0065	41.0
10	1.0	1.4	14.8	19.3	1.83	0.0065	66.0
16	1.0	1.4	16.8	22.3	1.15	0.0052	96.6
25	1.2	1.6	20.9	26.9	0.727	0.0050	148.1
35	1.2	1.6	22.5	30.0	0.524	0.0044	170.9

Notes: Current rating and voltage drop refer to Page A - 3