

XLPE/LC/PVC/SWA/PVC EEMUA 600/1000V

Plain annealed copper conductors, XLPE insulated/Lead Alloy 'E' sheathed/PVC extruded bedded/ Steel wire armoured/PVC sheathed. 600/1000 volts grade to EEMUA133 (where applicable).

TWO CORE EEMUA133

SIZE SQ.MM	CLASS OF CONDUCTOR	RT OF INSUALTION MM	MAXIMUM DIAMETER OVER CORE MM	DIAMETER OVER LAID UP CORES MM	RT OF LEAD MM	DIAMETER OVER LEAD MM	RT OF BEDDING MM	DIAMETER OVER BEDDING MM	DIAMETER OF ARMOUR WIRE MM	DIAMETER OVER ARMOUR WIRE MM	NOMINAL OVERALL DIAMETER MM	WEIGHT KG/KM
1.5	2	0.6	3.0	6.0	1.1	8.4	0.8	10.1	0.9	12.0	14.7	680
2.5	2	0.7	3.4	6.8	1.1	9.2	0.8	10.9	0.9	12.8	15.7	770
4	2	0.7	4.0	8.0	1.1	10.4	0.8	12.1	0.9	14.0	16.9	900
6	2	0.7	4.5	9.0	1.1	11.4	0.8	13.1	0.9	15.0	17.9	1020
10	2	0.7	5.5	11.0	1.1	13.4	0.8	15.1	0.9	17.0	20.1	1300
16	2	0.7	6.5	12.9	1.1	15.3	0.8	17.0	1.25	19.6	22.7	1680
25	2*	0.9	-	16.9	1.2	19.3	0.8	21.3	1.25	23.8	27.0	1840
35	2*	0.9	-	19.1	1.3	21.7	0.9	23.9	1.6	27.1	30.5	2350
50	2S	1.0	-	17.0	1.2	19.6	1.0	21.7	1.6	35.0	28.7	2960
70	2S	1.1	-	20.0	1.3	22.8	1.0	24.9	1.6	28.2	32.1	3750
95	2S	1.1	-	22.7	1.4	25.7	1.2	28.2	2.0	32.3	36.4	4900
120	2S	1.2	-	25.5	1.5	28.7	1.2	31.2	2.0	35.3	39.6	5860
150	2S	1.4	-	28.5	1.6	31.9	1.2	34.4	2.0	38.5	43.0	6980
185	2S	1.6	-	32.1	1.7	35.7	1.4	38.6	2.5	43.7	48.6	8800
240	2S	1.7	-	36.2	1.8	40.0	1.4	42.9	2.5	48.0	53.1	10600
300	2S	1.8	-	40.1	1.9	44.1	1.6	47.4	2.5	52.5	57.8	12600
400	2S	2.0	-	45.2	2.1	49.6	1.6	52.9	2.5	58.0	63.7	15800

Operating temperature: Maximum 90°C, Minimum bending 0°C

Conductor Stranding: Class 2 stranded copper:

2 circular or circular compacted conductors.

2* shaped or circular conductors or circular compacted conductors.

2S shaped conductors.

(Dimensions and weights based on circular.)

Minimum bending radius: 12 x overall diameter

Conductor Identification:

Two Core - Red & Black

Three Core - Red, Yellow & Blue

Four Core - Red, Yellow, Blue & Black

Five Core & above - Numbered cores.

For approximate conductor and armour resistance, and percentage conductivity, refer to

EEMUA - The Engineering Equipment and Materials Users Association.



Date created: 02.04.2003

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