

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

Plain annealed copper conductors, XLPE insulated/PVC/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 INSULATION 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	10.5	0.8	10.1	0.9	14.2	17.3	780
2.5	2	0.7	3.4	6.8	1.1	11.8	0.8	10.9	1.25	16.2	19.3	985
4	2	0.7	4.0	8.0	1.1	12.9	0.8	12.1	1.25	17.3	20.4	1100
6	2	0.7	4.5	9.0	1.1	14.0	0.8	13.1	1.25	18.4	21.5	1240
10	2	0.7	5.5	11.0	1.1	15.9	0.8	15.1	1.25	20.3	23.6	1430
16	2	0.7	6.5	12.9	1.1	18.0	0.8	17.0	1.25	24.9	25.7	1700
25	2*	0.9	-	16.9	1.1	16.0	0.8	21.3	1.25	20.9	23.7	1900
35	2*	0.9	-	19.1	1.1	17.4	0.9	23.9	1.6	23.0	25.8	2300
50	2S	1.0	-	17.0	1.2	19.9	1.0	21.7	1.6	25.5	28.3	2900
70	2S	1.1	-	20.0	1.3	23.1	1.0	24.9	1.6	28.7	31.7	3600
95	2S	1.1	-	22.7	1.4	25.7	1.2	28.2	2.0	32.5	35.7	4600
120	2S	1.2	-	25.5	1.5	28.2	1.2	31.2	2.0	35.0	38.4	5500
150	2S	1.4	-	28.5	1.6	31.3	1.2	34.4	2.0	38.1	41.9	6600
185	2S	1.6	-	32.1	1.7	35.1	1.4	38.6	2.5	42.5	46.5	8200
240	2S	1.7	-	36.2	1.7	38.7	1.4	42.9	2.5	46.5	50.7	10000
300	2S	1.8	-	40.1	1.8	42.5	1.6	47.4	2.5	50.3	54.7	11800
400	2S	2.0	-	45.2	2.0	47.1	1.6	52.9	2.5	54.9	59.5	14500

BATT PART NUMBER & GLAND TABLE

SIZE SQ.MM	CABLE PART NUMBER	GLAND TYPE/ SIZE	GLAND PART NUMBER	SIZE SQ.MM	CABLE PART NUMBER	GLAND TYPE/ SIZE	GLAND PART NUMBER
1.5	70039	E2FW20S	88568	50		E2FW32	88147
2.5	70040	E2FW20	88460	70		E2FW32	88147
4	70041	E2FW20	88460	95		E2FW40	88150
6	70043	E2FW20	88460	120		E2FW40	88150
10	70048	E2FW20	88460	150		E2FW50S	88152
16	70050	E2FW25	88009	185		E2FW50	88578
25		E2FW25	88009	240		E2FW50	88578
35		E2FW25	88009	300		E2FW63S	88153
				400		E2FW63	88157

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

Conductor Stranding: BS6360 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 - Brown & Blue

Three Core - Brown, Black & Grey

Four Core - Brown, Black, Grey & Blue

Five Core & above - Numbered cores.

Radial Thickness of Insulation: 1.5sqmm - 0.6sqmm, 2.5sqmm - 0.7sqmm



For approximate conductor and armour resistance, and percentage conductivity, refer to technical section For current ratings, refer to Table BEC105

EEMUA - The Engineering Equipment and Materials Users Association.

London (Head Office)
Tel: 01322 441165

Birmingham
Tel: 0121 321 1745

Cardiff
Tel: 02920 450044

Leeds
Tel: 0113 253 3565

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Tel: 01733 558485

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XLPE/LC/PVC/SWA/PVC EEMUA 600/1000V (Continued)

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

THREE CORE EEMUA133

SIZE SQ.MM	CLASS OF CONDUCTOR	RT OF INSULATION 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	BATT PART NO
1.5	2	0.6	6.5	1.1	8.9	0.8	10.6	0.9	12.5	15.2	730	70077
2.5	2	0.7	7.4	1.1	9.8	0.8	11.5	0.9	13.4	16.3	840	70078
4	2	0.7	8.7	1.1	11.1	0.8	12.8	0.9	14.7	17.6	990	70079
6	2	0.7	9.8	1.1	12.2	0.8	13.9	0.9	15.8	18.7	1130	70080
10	2	0.7	12.0	1.1	14.4	0.8	16.1	1.25	18.7	21.8	1570	70081
16	2	0.7	13.9	1.1	16.3	0.8	18.0	1.25	20.7	24.0	1920	70082
25	2*	0.9	18.2	1.2	20.6	1.0	23.0	1.6	26.2	29.6	2500	71098
35	2*	0.9	20.9	1.3	23.5	1.0	25.9	1.6	28.8	32.2	3000	71116
50	2S	1.0	19.7	1.3	22.5	1.0	24.6	1.6	27.9	31.6	3780	71103
70	2S	1.1	23.2	1.4	26.2	1.0	28.3	1.6	31.6	35.5	4830	71108
95	2S	1.1	26.4	1.5	29.5	1.2	32.0	2.0	36.1	40.4	6300	71093
120	2S	1.2	29.6	1.6	32.9	1.2	35.4	2.0	39.5	44.0	7500	71104
150	2S	1.4	33.1	1.7	36.6	1.4	39.5	2.5	44.6	49.3	9500	71105
185	2S	1.6	37.2	1.8	40.9	1.4	43.8	2.5	48.9	53.8	11270	
240	2S	1.7	42.1	2.0	46.2	1.4	49.1	2.5	54.2	59.4	14000	
300	2S	1.8	46.6	2.1	50.9	1.6	54.2	2.5	59.3	64.8	16650	
400	2S	2.0	52.0	2.3	56.7	1.6	60.0	2.5	65.1	71.0	20800	71009

FOUR CORE EEMUA133

SIZE SQ.MM	CLASS OF CONDUCTOR	RT OF INSULATION 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	BATT PART NO
1.5	2	0.6	7.3	1.1	9.6	0.8	11.3	0.9	13.2	16.1	800	70060
2.5	2	0.7	8.3	1.1	10.6	0.8	12.3	0.9	14.2	17.1	910	70066
4	2	0.7	9.8	1.1	12.1	0.8	13.8	0.9	15.7	18.6	1090	70073
6	2	0.7	11.0	1.1	13.3	0.8	15.0	1.25	17.6	20.7	1400	70074
10	2	0.7	13.4	1.1	15.7	0.8	17.4	1.25	20.0	23.1	1750	70075
16	2	0.7	15.6	1.2	18.1	0.8	19.8	1.25	22.4	25.7	2260	70076
25	2*	0.9	20.6	1.3	23.2	1.0	25.6	1.6	28.8	32.2	2950	71081
35	2*	0.9	23.4	1.4	26.2	1.0	28.6	1.6	31.8	35.0	3500	71082
50	2S	1.0	23.0	1.4	25.9	1.0	28.0	1.6	31.3	35.2	4680	71083
70	2S	1.1	27.1	1.5	30.2	1.2	32.7	2.0	36.8	41.1	6350	71084
95	2S	1.1	30.9	1.6	34.2	1.2	36.7	2.0	40.8	45.3	7900	71085
120	2S	1.2	34.7	1.7	38.2	1.4	41.1	2.5	46.2	50.9	10100	71086
150	2S	1.4	38.8	1.9	42.7	1.4	45.6	2.5	50.7	55.6	12200	71087
185	2S	1.6	43.6	2.0	47.7	1.4	50.6	2.5	55.7	61.0	14500	71088
240	2S	1.7	49.4	2.2	53.9	1.6	57.2	2.5	62.3	67.8	18000	71089
300	2S	1.8	54.8	2.3	59.5	1.6	62.8	2.5	67.9	73.8	21500	71090
400	2S	2.0	61.0	2.5	66.1	1.8	69.8	3.15	76.2	82.7	28000	71091

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XLPE/LC/PVC/SWA/PVC EEMUA 600/1000V (Continued)

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

THREE CORE EEMUA GLAND TABLE			FOUR CORE EEMUA GLAND TABLE		
SIZE SQ.MM	GLAND TYPE/SIZE	PART NUMBER	SIZE SQ.MM	GLAND TYPE/SIZE	PART NUMBER
1.5	E2FW20S	88568	1.5	E2FW20	88460
2.5	E2FW20	88460	2.5	E2FW20	88460
4	E2FW20	88460	4	E2FW20	88460
6	E2FW20	88460	6	E2FW25	88009
10	E2FW25	88009	10	E2FW25	88009
16	E2FW25	88009	16	E2FW25	88009
25	E2FW32	88147	25	E2FW32	88147
35	E2FW32	88147	35	E2FW40	88150
50	E2FW32	88147	50	E2FW40	88150
70	E2FW40	88150	70	E2FW50S	88152
95	E2FW50S	88152	95	E2FW50S	88152
120	E2FW50S	88152	120	E2FW50	88442
150	E2FW50	88578	150	E2FW63S	88153
185	E2FW63S	88153	185	E2FW63	88157
240	E2FW63S	88153	240	E2FW75S	88158
300	E2FW63	88157	300	E2FW75	88586
400	E2FW75S	88158	400	SPECIAL	-



Gland sizes offered are based on nominal dimensions and are subject to change.

FIVE CORE EEMUA133

SIZE SQ.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	BATT PART NO	GLAND TYPE/SIZE	GLAND PART NO
1.5	7.7	1.1	10.0	0.8	11.7	0.9	13.6	16.5	840	-	E2FW20	88460
2.5	9.3	1.1	11.6	0.8	13.3	0.9	15.2	18.3	1030	70155	E2FW20	88460
4	11.0	1.1	13.3	0.8	15.0	1.25	17.6	20.7	1350	70088	E2FW20	88460

SEVEN CORE EEMUA133

1.5	9.2	1.1	11.5	0.8	12.2	0.9	14.1	17.0	955	70065	E2FW20	88460
2.5	10.4	1.1	12.7	0.8	14.4	0.9	16.3	19.2	1150	70037	E2FW20	88460

TEN CORE EEMUA133

1.5	12.2	1.1	14.5	0.8	16.2	1.25	18.8	22.1	1450	70278	E2FW25	88009
2.5	13.8	1.1	16.1	0.8	17.8	1.25	20.4	23.7	1700		E2FW25	88009

TWELVE CORE EEMUA133

1.5	12.6	1.1	14.9	0.8	16.6	1.25	19.2	22.5	1500	70257	E2FW25	88009
2.5	14.3	1.1	16.6	0.8	18.3	1.25	20.9	24.2	1770	70069	E2FW25	88009

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battindustrial.sales@batt.co.uk

London (Head Office)
Tel: 01322 441165

Birmingham
Tel: 0121 321 1745

Cardiff
Tel: 02920 450044

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XLPE/LC/PVC/SWA/PVC EEMUA 600/1000V (Continued)

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

NINETEEN CORE EEMUA133

SIZE SQ.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	BATT PART NO	GLAND TYPE/SIZE	GLAND PART NO
1.5	15.2	1.2	17.7	1.0	19.8	1.25	22.4	25.7	1950	70064	E2FW25	88009
2.5	17.2	1.2	19.7	1.0	21.8	1.6	25.1	28.6	2500	70189	E2FW32	88147

TWENTY SEVEN CORE EEMUA133

1.5	18.6	1.3	21.3	1.0	23.4	1.6	26.7	30.4	2750	70207	E2FW32	88147
2.5	21.1	1.3	23.8	1.0	25.9	1.6	29.2	32.9	3300	70083	E2FW32	88147

THIRTY SEVEN CORE EEMUA133

1.5	21.2	1.3	23.9	1.0	26.0	1.6	29.3	33.0	3200	70084	E2FW32	88147
2.5	24.0	1.4	26.9	1.0	29.0	1.6	32.3	36.0	4000	70085	E2FW40	88150

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.

EEMUA 133 cables five cores and above as shown have either circular or circular compacted conductors.
(Dimensions and weights based on circular.)

Radial thickness of insulation: 1.5 sqmm - 0.6mm, 2.5sqmm - 0.7mm

Minimum bending radius: 12 x overall diameter

Conductor Identification:

Two Core - Brown & Blue
Three Core - Brown, Black & Grey
Four Core - Brown, Black, Grey & Blue
Five Core & above - Numbered cores.

For approximate conductor and armour resistance, and percentage conductivity,
refer to tehcnical section For current ratings, refer to Table BEC105

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