



11KV 3 core SWA LSZH Cable BS7835 IEC60502-2

Plain annealed circular compacted copper conductor, semi conducting layer, XLPE – Semi conducting layer / copper tape screened / LSZH extruded bedded /aluminium wire armoured / LSZH sheathed

- Applications:** Power networks
- Conductor:** Plain annealed Circular compacted copper, class 2 stranded circular compacted conductors
- Conductor identification:** Coloured tape, black, brown & grey
- Insulation:** XLPE (Cross linked polyethylene)
- Screen:** Semi-conducting layer with a copper tape screen covering each core
- Inner sheath:** LSZH (Low smoke zero halogen)
- Armour:** SWA (Single wire armour)
- Outer sheath:** LSZH (Low smoke zero halogen)
- Colour:** Red
- Voltage:** 6350/11000v
- Operating temperature:** Maximum 90°C, minimum bending 0°C
- Minimum bending radius:** 12 x overall diameter
- Standards:** BS7835: Specification for armoured cables with extruded cross-linked polyethylene or ethylene propylene rubber insulation for rated voltages from 3.8/6.6kV up to 19/33kV having low emission of smoke and corrosive gases when affected by fire
IEC60502-2: Power cables with extruded insulation and their accessories for rated voltages from 6kV to 30kV (Um=36kV)
- Combustion characteristics** Oxygen index 35% (Temperature index 280°C)
HCL Emission 0.35% in accordance with BS6425 Part 1
Low Smoke classification based on 3 metre cube test
Complete cables comply with the requirements of fire test BSEN50266-1:2001 (previously BS4066 Part 1)



For current ratings refer to Table BEC108.

A full range of termination and installation accessories are available.

Size sq.mm	RT of insulation mm	Nominal diameter over copper screen mm	Nominal diameter over laid up cores mm	RT of bedding mm	Diameter over bedding mm	Diameter over armour wire mm	Diameter over armour mm	Nominal overall diameter mm	Weight Kg/km	BATT part no
25	3.4	16.8	36.3	1.3	38.9	2.5	43.9	48.9	4300	-
35	3.4	17.9	38.7	1.3	41.3	2.5	46.3	51.1	4600	56567
50	3.4	18.8	40.6	1.4	43.4	2.5	48.4	53.6	5400	56568
70	3.4	20.5	44.3	1.4	47.1	2.5	52.1	57.5	6300	56570
95	3.4	22.2	48.0	1.5	51.0	2.5	56	61.6	7500	56569
120	3.4	23.7	51.2	1.6	54.4	2.5	59.4	65.4	8700	56529
150	3.4	25.1	54.2	1.6	57.4	2.5	62.4	68.6	9700	56538
185	3.4	26.8	57.9	1.7	61.3	2.5	66.3	72.7	11400	56579
240	3.4	28.8	62.2	1.8	65.8	3.15	72.1	78.9	14300	56549
300	3.4	31.2	67.4	1.9	71.2	3.15	77.5	84.7	16600	56598
400	3.4	34.4	74.3	2.0	78.3	3.15	84.6	92.2	20000	56150