



624B Twin & Earth LSZH Cable 300/500V BS7211



Applications:	Domestic wiring and lighting circuits
Conductors:	Plain annealed copper
Insulation:	XLPE (cross linked polyethylene)
Sheath:	LSZH
Conductor Stranding:	Class 1 – Circular solid Class 2 – stranded circular or circular compacted
Operating Temperature:	Maximum 90°C, Minimum bending -15°C
Minimum bending radius:	Diameter up to 10mm – 3 x overall diameter Diameter 10mm to 25mm – 4 x overall diameter (Based upon the larger dimensions)
Sheath Colour:	White
Conductor identification:	Brown, Blue and Bare (earth)
Standards:	Low smoke and HLC maximum 0.5% in accordance with BS EN 60754-1:2014 & BS60754-2:2014 BSEN50267-2-1: Common test methods for cables under fire conditions. Tests on gases evolved during combustion of materials from cables, Procedures, determination of the amount of halogen acid has. BSEN50266-1: Common test methods for cables under fire conditions. Test for vertical flame spread of vertically mounted bunched wires or cables

Size sq.mm	Class of conductor	Diameter over conductor mm	RT of insulation mm	Diameter over core mm	Size ECC conductor sq.mm	Diameter over laid up cores mm	Nominal overall diameter mm	Weight kg/km	BATT Part No
1.0	1	1.13	0.7	2.6	1.0	2.6 x 6.4	4.4 x 8.0	75	16519
1.5	1	1.38	0.7	2.8	1.0	2.8 x 6.8	4.6 x 8.4	85	16520
2.5	1	1.78	0.7	3.2	1.5	3.2 x 8.1	5.2 x 9.9	120	16521
4	2	2.55	0.7	4.0	1.5	4.0 x 9.7	6.0 x 11.5	170	16522
6	2	3.12	0.7	4.5	2.5	4.5 x 11.5	6.5 x 13.5	230	16523
10	2	-	0.7	-	-	-	7.9 x 15.9	320	16524
16	2	-	0.7	-	-	-	8.8 x 18.0	474	16525

Amount of cores	Size mm ²	Short circuit rating of conductor (1 sec) kA	DC or single phase AC clipped direct Amps	DC or single phase AC enclosed in conduit or trunking amps	Three phase AC clipped direct amps	Volt drop DC or single phase AC mV/A/m	Volt drop three phase AC mV/A/m
2	1 / 1	0.14	19	17	-	46	-
2	1.5 / 1	0.22	24	22	-	31	-
2	2.5 / 1.5	0.36	33	30	-	19	-
2	4 / 1.5	0.57	45	40	-	12	-
2	6 / 2.5	0.85	58	51	-	7.9	-
2	10 / 4	1.43	80	69	-	4.7	-
2	16 / 6	2.28	107	91	-	2.9	-
3	1 / 1	0.14	19	17	17	46	40
3	1.5 / 1	0.22	24	22	22	31	27
3	2.5 / 1.5	0.36	33	30	30	19	16

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