

6491B H07Z-R Low Smoke Cable 450/750V BS7211

Applications:	Suitable for power & lighting circuits and building wiring. Also suitable for use as an earth wire.
Conductor:	Plain annealed copper conductor
Conductor stranding:	Class 2 stranded circular or circular compacted
Insulation:	Thermosetting LSF (Low Smoke and Fume) insulation
Operating temperature:	Maximum 90°C Minimum bending -15°C
Volts:	450/750 volts grade to BS7211
Minimum bending radius:	Diameter up to 10mm 3 x overall diameter Diameter 10-25mm 4 x overall diameter Diameter above 25mm 5 x overall diameter

Insulation Properties Low smoke and HCL maximum 0.5% in acc. BSEN50267-1 Common test methods for cables under fire conditions. Tests on gases evolved during combustion of materials from cables. Apparatus. 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 gases. BSEN50266-1 Common test methods for cables under fire conditions. Test for vertical flame spread of vertically-mounted bunched wires or cables. Flame Propagation: Meets BS EN 60332-1-2:2004

For current rating information, refer to Table 4E1A

Size sq mm	Max diameter over conductor mm	RT of insulation	Nominal overall diameter mm	Weight kg/km
1.5	1.59	0.7	3.0	21
2.5	2.01	0.8	3.7	34
4	2.55	0.8	4.2	51
6	3.12	0.8	4.8	71
10	4.05	1.0	6.1	120
16	5.10	1.0	7.1	180
25	6.42	1.2	8.9	285
35	7.65	1.2	10.1	380
50	8.90	1.4	11.8	510
70	10.70	1.4	13.6	715
95	12.60	1.6	15.9	990
120	14.21	1.6	17.5	1230
150	15.75	1.8	19.4	1510
185	17.64	2.0	21.7	1900
240	20.25	2.2	24.5	2490
300	22.68	2.4	27.5	3050
400	25.65	2.6	30.9	3900
500	28.80	2.8	34.5	4880
630	32.76	2.8	38.4	6210

