



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

Plain annealed copper conductor. Thermosetting LSF (Low Smoke and Fume) insulation. 450/750 volts grade to BS7211

Conductor stranding:	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 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



For current rating information, refer to Table 4E1A

Size sq mm	Class off conductor	Max diameter over conductor mm	RT of insulation	Nominal overall diameter mm	Weight kg/km
1.5	2	1.59	0.7	3.0	21
2.5	2	2.01	0.8	3.7	34
4	2	2.55	0.8	4.2	51
6	2	3.12	0.8	4.8	71
10	2	4.05	1.0	6.1	120
16	2	5.10	1.0	7.1	180
25	2	6.42	1.2	8.9	285
35	2	7.65	1.2	10.1	380
50	2	8.90	1.4	11.8	510
70	2	10.70	1.4	13.6	715
95	2	12.60	1.6	15.9	990
120	2	14.21	1.6	17.5	1230
150	2	15.75	1.8	19.4	1510
185	2	17.64	2.0	21.7	1900
240	2	20.25	2.2	24.5	2490
300	2	22.68	2.4	27.5	3050
400	2	25.65	2.6	30.9	3900
500	2	28.80	2.8	34.5	4880
630	2	32.76	2.8	38.4	6210

BATT PART NUMBER TABLE

Conductor size mm

Colour	1.5	2.5	4.0	6.0	10	16	25	35	50	70	95	120
Red	45000	45007	45014	45021	45027	45033	45039	45045	45048	45051	45054	45057
Black	45001	45008	45015	45022	45029	45034	45040	45049	45049	45052	45055	45058
Grn/Yellow	45002	45009	45016	45023	45029	45035	45041	45050	45050	45053	45056	45059
Blue	45004	45011	45018	45025	45031	45037	45043	45146	45146	45188	45190	45192
Yellow	45005	45012	45019	45026	45032	45038	45044	45150	45150	45189	45191	45193
Brown	45003	45010	45017	45024	45030	45036	45042	45417	45417	45418	45419	45459
White	45006	45013	45093	45182	-	-	-	-	-	-	-	-
Orange	45162	45163	45020	45164	45165	45166	-	-	-	-	-	-
Grey	45201	45323	45422	45423	45424	45425	45410	45411	45412	45413	45414	45460
Green	-	45119	-	-	45120	-	45121	-	-	-	-	-
Pink	45304	45371	-	-	-	-	-	-	-	-	-	-
Violet	45368	-	-	-	-	-	-	-	-	-	-	-

	Conductor size mm						
	150	185	240	300	400	500	630
Red	45218	45195	45326	45215	45329	45331	45333
Black	45324	45325	45327	45328	45330	45332	45334
Grn/Yellow	45060	45061	45062	45136	45161	45213	45214
Brown	45463	45420	45457	45512	-	-	-
Grey	45461	45415	45497	45514	-	-	-
Blue	45462	45200	45498	45513	-	-	-

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