



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

<b>Applications:</b>	Suitable for power & lighting circuits and building wiring. Also suitable for use as an earth wire.
<b>Conductor:</b>	Plain annealed copper conductor
<b>Conductor stranding:</b>	Class 2 stranded circular or circular compacted
<b>Insulation:</b>	Thermosetting LSF (Low Smoke and Fume) insulation
<b>Operating temperature:</b>	Maximum 90°C Minimum bending -15°C
<b>Volts:</b>	450/750 volts grade to BS7211
<b>Minimum bending radius:</b>	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. BS-EN 50525-3-41: 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



**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	45028	45034	45040	45046	45049	45052	45055	45058
Grn/Yellow	45002	45009	45016	45023	45029	45035	45041	45047	45050	45053	45056	45059
Blue	45004	45011	45018	45025	45031	45037	45043	45122	45146	45188	45190	45192
Yellow	45005	45012	45019	-	45032	45038	-	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	-	-	-	-	-	-	-	-	-	-	-	-
Violet	45304	45371	-	-	-	-	-	-	-	-	-	-

  

Colour	150	185	240	300	400	500	630
Red	45218	45195	-	-	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	-	-	-