



Fire Resistant Enhanced Cable

Fire resistance cables (enhanced) 300/500v BS7629-1, BS5839-1:2002

Solid copper conductor to BS6360 (class 1) for sizes up to and including 2.5sq.mm. Stranded plain annealed copper for sizes of 4sq.mm and above / glass impregnated mica tape and special cross-linked heat resistant compound type E12 according to BS EN 50363.1 / CAM and Earth / Thermoplastic zero halogen, low smoke compound sheath.

Voltage rating:	300/500 v
Temperature range:	-30°C to +70°C
Installation temperature:	0°C
Sheath colours:	Red or white (other colours are available subject to factory minimum quantities)
Core colours:	2 core + earth: Brown and Blue 3 core + earth: Brown, Grey and Blue 4 core + earth: Brown, Grey, Blue and Black
Circuit integrity:	BS5839-1:2002 clause 26.2e Enhanced, BS8434-2, BS EN 50200 PH120, BS6387 C, W & Z
Flame propagation:	BS EN 60332-1-2, BS EN 50266-2-2
Smoke Emission:	BS EN 61034-2
Gases evolved during combustion:	BSEN =50267-2-1 HCL≤0.5%
Standards:	These cables have been specially designed to meet the enhanced requirements detailed in BS 5839-1:2002, clause 26.2e. It therefore meets the PH120 class and as described in clause 26.2e, and detailed in BS8434 Part 2:2003 Tested and approved by LPCB 60 minutes – fire and mechanical impact, followed by 60 minutes – fire, mechanical impact and water



No of cores	Size Sq.mm	Overall Diameter mm	Weight kg/km	Max conductor resistance at 20°C Ω/km	Max earth conductor resistance at 20°C Ω/km	BATT part no White	BATT part no Red
2C + E	1	9.0	84	18.1	18.2	-	-
2C + E	1.5	9.9	107	12.1	12.2	44314	44313
2C + E	2.5	11.3	149	7.41	7.56	44373	44337
2C + E	4	13.0	208	4.61	4.70	44402	44401
3C + E	1	9.5	106	18.1	18.2	-	-
3C + E	1.5	10.5	134	12.1	12.2	44406	44338
3C + E	2.5	11.9	189	7.41	7.56	44408	44407
3C + E	4	13.8	265	4.61	4.70	-	-
4C + E	1	10.2	126	18.1	18.2	-	-
4C + E	1.5	11.4	164	12.1	12.2	44410	44374
4C + E	2.5	13.4	233	7.41	7.56	44412	44411
4C + E	4	15.8	334	4.61	4.70	-	-