

## Fire Resistant Multicore to BS7629-1

Plain annealed copper conductor to BS6360 1mm & 1.5mm solid conductors (class 1), 2.5mm & 4mm stranded (class 2). Special Heat Resistant insulation to BS7655. Tinned annealed copper earth conductor to BS6360. Aluminium mylar tape, LSZH sheath



<b>Voltage Rating</b>	300/500 V
<b>Temperature Range</b>	-40 to + 90°C
<b>Temperature Rating</b>	Maximum conductor temperature 90 deg C
<b>Fire Resistance</b>	BS6387 Cat C: 950 deg C for 3 hours Cat W: 650deg C with water for 15mins Cat Z: 950 deg C with mechanical shock for 15 mins
<b>Flame Propagation</b>	IEC60331: 750 deg C for 3 hours
<b>Smoke Emission</b>	BS EN 50266:2001, IEC60332-1, IEC60332-3 cat C BS6724/IEC601034: Ao<0.15 & BS7629-1 BS EN 61034:2005: *LT>90% light transmittance
<b>Corrosive Acid Gas</b>	BSEN 50267-2-1:1999 Nil, IEC60754-1 all materials are halogen free
<b>Installation Temp.</b>	As low as -15 deg C
<b>Core Colours</b>	2 core + earth - brown & blue 3 core + earth - brown, grey & black 4 core + earth - brown, grey, blue & black Multicore + earth - white with black numerals
<b>Sheath Colour</b>	red (white available from stock and orange & black available to order)

BATT part no. Black	BATT part no. White	BATT part no. Red	No. of cores	Size sq mm	Stranding	Insulation thickness mm	Diameter of earth wire mm	Approx overall diameter	Weight kg/km
	44246	44245	2	1.0	1/1.13	0.6	7.5	8.0	74
	44248	44247	3	1.0	1/1.13	0.6	7.5	8.0	87.5
	44282	44244	4	1.0	1/1.13	0.6	7.5	9.0	109
44321	44227	44226	2	1.5	1/1.38	0.7	1/1.38	8.5	94
44324	44233	44232	3	1.5	1/1.38	0.7	1/1.38	9.5	123
	44239	44238	4	1.5	1/1.38	0.7	1/1.38	10.5	146
		44165	7	1.5	1/1.38	0.7	1/1.08	11.0	227
		44167	12	1.5	1/1.38	0.7	1/1.08	16.0	380
		44169	19	1.5	1/1.38	0.7	1/1.08	19.0	536
44322	44229	44228	2	2.5	7/0.67	0.8	7/0.67	10.5	143
44324	44233	44323	3	2.5	7/0.67	0.8	7/0.67	12.0	191
	44241	44240	4	2.5	7/0.67	0.8	7/0.67	13.0	233
		44166	7	2.5	7/0.67	0.8	7/0.67	15.0	461
		44168	12	2.5	7/0.67	0.8	7/0.67	20.0	540
		44170	19	2.5	7/0.67	0.8	7/0.67	24.0	802
44323	44231	44230	2	4.0	7/0.85	0.8	7/0.85	12.5	206
44326	44237	44236	3	4.0	7/0.85	0.8	7/0.85	13.5	263
	44243	44242	4	4.0	7/0.85	0.8	7/0.85	15.0	320

Cross-sectional sqmm	Insulation resistance at 20 deg C:MX/Km	Conductor resistance at 20 deg C:X/Km	Capacitance (pF/m) core-core	Capacitance (pF/m) core-screen
1.0	300	18.1	95	162
1.5	280	12.1	100	172
2.5	230	7.4	110	183
4.0	200	4.6	140	245

- Meets standards for fire detection and alarm systems in BS5839 part 1 and for use in emergency lighting BS5266 part 1
- Available in red, white or black sheath
- Applications: public buildings, schools, hospitals, department stores, cinemas, hotels, theatres, computer centres etc.