



Fire Resistant Multicore Cable BS7629-1

Applications:	Suitable for use on fire alarms and emergency lighting circuits and satisfies the requirements of the code of practice in each case (BS5839 Part 1)
Conductor:	Available in both Solid Conductor (Class 1) and Stranded Conductor (Class 2).
Insulation:	Special Heat Resistant insulation to BS7655
Tape:	Aluminium mylar tape with tinned annealed copper earth conductor to BSEN50228
Sheath/Jacket:	LSZH (Low Smoke Zero Halogen)
Colour:	Red (white available from stock, orange and black available to order)
Core Colours:	2 core + earth: Brown and blue 3 Core + earth: Brown, Grey and Black 4 core + earth: Brown, Grey, Blue and Black Multicore + earth: White with black numbered
Voltage:	300/500v
Temperature Range:	-40°C to +90°C
Installation temp:	-15°C
Minimum bending radius:	6 x Diameter
Standards:	Fire resistance: BS6387: Cat C - 950°C for 3 hours, Cat W - 650°C with water for 15 minutes, Cat Z - 950°C with mechanical shock for 15 minutes IEC60331: 750°C for 3 hours Flame propagation: BS EN 61034:2001, IEC60332-1, IEC60332-3 Cat C Smoke emissions: BS6724/IEC 601034; Ao<0.15 and BS7629-1 BSEN 61034:2005: *LT>90% light transmittance Corrosive acid gas: BSEN 50267-2-1:1999 Nil, IEC60754-1 all materials are halogen free Specifications: Meets standards for fire detection and alarm systems in BS5839 part 1 and for use in emergency lighting BS5266 part 1



No of cores	Size Sq.mm	Stranding	Insulation thickness mm	Diameter of earth wire mm	Overall diameter	Weight kg/km	Insulation resistance at 20°C: Mx/Km	Conductor resistance at 20°C: X/Km	Capacitance (pF/m_ core-core)	Capacitance (pF/m) core-screen	BATT part no Black	BATT part no White	BATT part no Red
2	1.0	1/1.13	0.6	7.5	8.0	74	300	18.1	95	162	-	44246	44245
3	1.0	1/1.13	0.6	7.5	8.0	87.5	300	18.1	95	162	-	44248	44247
4	1.0	1/1.13	0.6	7.5	9.0	109	300	18.1	95	162	-	44282	44244
2	1.5	1/1.38	0.7	1/1.38	8.5	94	280	12.1	100	172	44321	44227	44226
3	1.5	1/1.38	0.7	1/1.38	9.5	123	280	12.1	100	172	44324	44233	44232
4	1.5	1/1.38	0.7	1/1.38	10.5	146	280	12.1	100	172	44423	44239	44238
7	1.5	1/1.38	0.7	1/1.08	11.0	227	280	12.1	100	172	-	-	44165
12	1.5	1/1.38	0.7	1/1.08	16.0	380	280	12.1	100	172	-	-	44167
19	1.5	1/1.38	0.7	1/1.08	19.0	536	280	12.1	100	172	-	-	44169
2	2.5	7/0.67	0.8	7/0.67	10.5	143	230	7.4	110	183	44322	44229	44228
3	2.5	7/0.67	0.8	7/0.67	12.0	191	230	7.4	110	183	44419	44418	44417
4	2.5	7/0.67	0.8	7/0.67	13.0	233	230	7.4	110	183	-	44421	44420
7	2.5	7/0.67	0.8	7/0.67	15.0	461	230	7.4	110	183	-	-	44166
12	2.5	7/0.67	0.8	7/0.67	20.0	540	230	7.4	110	183	-	-	44168
19	2.5	7/0.67	0.8	7/0.67	24.0	802	230	7.4	110	183	-	-	44170
2	4	7/0.85	0.8	7/0.85	12.5	206	200	4.6	140	245	44323	44231	44230
3	4	7/0.85	0.8	7/0.85	13.5	263	200	4.6	140	245	44326	44237	44236
4	4	7/0.85	0.8	7/0.85	15.0	320	200	4.6	140	245	-	44243	44242

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