

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)
 Available in both Solid Conductor (Class 1) and Stranded Conductor (Class 2).
 Special Heat Resistant insulation to BS7655
 Aluminium mylar tape with tinned annealed copper earth conductor to BSEN50135
 LSZH (Low Smoke Zero Halogen)
 Red (white available from stock, orange and black available on order)
 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
 300/500v
 -40°C to +90°C
 -15°C
 6 x Diameter
 Fire resistance BS6387: Cat C - 950°C for 3 hours, Cat W - 950°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 60334; $A_o < 0.15$ and BS7629-1
 BSEN 61034:2005: *LT>90% light transmittance
 Corrosive acid gas BSEN 50262-1:1999 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 Sqmm	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	-	44240	
	1.0	1/1.13	0.6	7.5	8.0	87.5	300	18.1	95	162	-	44240	
	1.0	1/1.13	0.6	7.5	9.0	109	300	18.1	95	162	-	44280	
	1.5	1/1.38	0.7	1/1.38	8.5	94	280	12.1	100	172	4432		
	1.5	1/1.38	0.7	1/1.38	9.5	123	280	12.1	100	172	4432		
	1.5	1/1.38	0.7	1/1.38	10.5	146	280	12.1	100	172	4442		
	1.5	1/1.38	0.7	1/1.08	11.0	227	280	12.1	100	172	-	-	44165
	1.5	1/1.38	0.7	1/1.08	16.0	380	280	12.1	100	172	-	-	44167
	1.5	1/1.38	0.7	1/1.08	19.0	536	280	12.1	100	172	-	-	44169
	2.5	7/0.67	0.8	7/0.67	10.5	143	230	7.4	110	183	4432		
	2.5	7/0.67	0.8	7/0.67	12.0	191	230	7.4	110	183	4441		
	2.5	7/0.67	0.8	7/0.67	13.0	233	230	7.4	110	183	-	4442	
	2.5	7/0.67	0.8	7/0.67	15.0	461	230	7.4	110	183	-	-	44166
	2.5	7/0.67	0.8	7/0.67	20.0	540	230	7.4	110	183	-	-	44168
	2.5	7/0.67	0.8	7/0.67	24.0	802	230	7.4	110	183	-	-	44170
	4	7/0.85	0.8	7/0.85	12.5	206	200	4.6	140	245	4432		
	4	7/0.85	0.8	7/0.85	13.5	263	200	4.6	140	245	4432		
	4	7/0.85	0.8	7/0.85	15.0	320	200	4.6	140	245	-	44243	