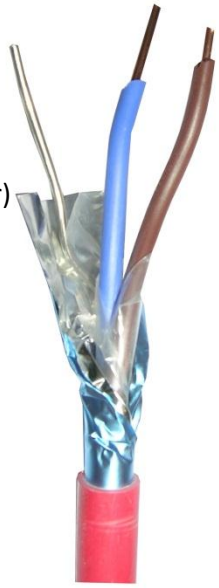
Fire Resistant Multicore Cable BS7629-1

Plain annealed copper conductor to BS6360 1mm and 1.5mm solid conductors (class 1) 2.5mm and 4.5mm stranded (class 2). Special heat resistant insulation to BS7655. Tinned annealed copper earth conductor to BS6360. Aluminium Mylar tape, LSZH.



Applications: Public buildings, schools, hospitals, department stores, cinemas, hotels, theatres, computer centre etc

Voltage rating: 300/500 v

Temperature range: -40°C to +90°C

Temperature rating: Maximum conductor temperature 90°C

Installation temperature: -15°C

Sheath colours: 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

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	Approx 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	-	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	44325	44235	44234
4	2.5	7/0.67	0.8	7/0.67	13.0	233	230	7.4	110	183	-	44241	44240
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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