



FIRE RESISTANT CABLE 0.6/1KV

CU/MGT/XLPE/OSCR/LSOH

Fire Resistant, Halogen Free,
ROHS Comply




CONSTRUCTION


Conductor	Plain Annealed Copper Wire Class 2 IEC 228 - BS 6360
Wrapping Tape	Mica Glass Tape
Insulation	XLPE (Cross-linked Polyethylene)
Core Identification	2 core : Red, Black 3 core : Red, Yellow, Blue 4 core : Red, Yellow, Blue, Black Multi core : Black with core numbering
Overall Screen	Aluminium/polyester tape (100% coverage) with tinned copper drain wire 0.5mm ²
Outer Sheath	Low smoke halogen free compound (LSOH) Orange or Black (other colour upon request)
Fire Resistant	IEC 60331
Flame Retardant	IEC 60332-1
Flame Propagation	EC 60332-3 Cat.C
Acid Gas Emission	IEC 60754
Smoke Emission	IEC 61034

APPLICATION

Cable is designed for areas where the integrity of the electrical circuit is critical in maintaining power supply. Application can be found in emergency lightings, control and power circuits, power stations, fire alarm systems, underground tunnels, communications systems, sewage treatment plants, lifts, escalators, and high-rise buildings.

TECHNICAL DATA

 Nominal Voltage:
600/1000V

 Min. Bending Radius:
10 x O.D (Mobile)

 Insulation Resistance:
At 20°C 5000Mohm/km`

 Temperature Rating:
90°C

 Test Voltage:
4000V 5 min



SMI FIRE RESISTANT CABLE 0.6/1KV

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Item No.	Cross-section mm ²	Insulation Thickness	Outer diameter approx.mm	Weight approx. kg/km
1	2C x 1.5mm ²	0.7	10.9	183.0
2	2C x 2.5mm ²	0.7	11.7	220.0
3	2C x 4mm ²	0.7	12.7	275.0
4	2C x 6mm ²	0.7	13.9	342.0
5	2C x 10mm ²	0.7	15.5	423.0
6	2C x 16mm ²	0.7	17.7	578.0
7	2C x 25mm ²	0.9	20.7	840.0
8	2C x 35mm ²	0.9	23.0	1088.0
9	2C x 50mm ²	1.0	25.8	1404.0
10	2C x 70mm ²	1.1	29.6	1920.0
11	2C x 95mm ²	1.1	33.8	2573.0
12	2C x 120mm ²	1.2	36.6	3195.0
13	2C x 150mm ²	1.4	40.6	3895.0
14	2C x 185mm ²	1.6	45.8	4828.0
15	2C x 240mm ²	1.7	50.4	6237.0
16	3C x 1.5mm ²	0.7	11.5	206.0
17	3C x 2.5mm ²	0.7	12.4	252.0
18	3C x 4mm ²	0.7	13.4	322.0
19	3C x 6mm ²	0.7	14.7	408.0
20	3C x 10mm ²	0.7	16.6	517.0
21	3C x 16mm ²	0.7	18.8	724.0
22	3C x 25mm ²	0.9	22.1	1060.0
23	3C x 35mm ²	0.9	24.5	1388.0
24	3C x 50mm ²	1.0	27.5	1883.0
25	3C x 70mm ²	1.1	31.6	2620.0
26	3C x 95mm ²	1.1	36.3	3503.0
27	3C x 120mm ²	1.2	39.3	4358.0
28	3C x 150mm ²	1.4	43.6	5349.0
29	3C x 185mm ²	1.6	49.2	6643.0
30	3C x 240mm ²	1.7	54.3	8593.0
31	4C x 1.5mm ²	0.7	12.4	238.0
32	4C x 2.5mm ²	0.7	13.4	296.0
33	4C x 4mm ²	0.7	14.6	383.0
34	4C x 6mm ²	0.7	16.2	490.0
35	4C x 10mm ²	0.7	18.2	652.0
36	4C x 16mm ²	0.7	20.6	920.0
37	4C x 25mm ²	0.9	24.3	1367.0
38	4C x 35mm ²	0.9	26.9	1784.0
39	4C x 50mm ²	1.0	30.5	2330.0
40	4C x 70mm ²	1.1	35.1	3418.0
41	4C x 95mm ²	1.1	40.3	4602.0
42	4C x 120mm ²	1.2	43.6	5729.0
43	4C x 150mm ²	1.4	48.6	6995.0
44	4C x 185mm ²	1.6	54.8	8731.0
45	4C x 240mm ²	1.7	60.5	11295.0