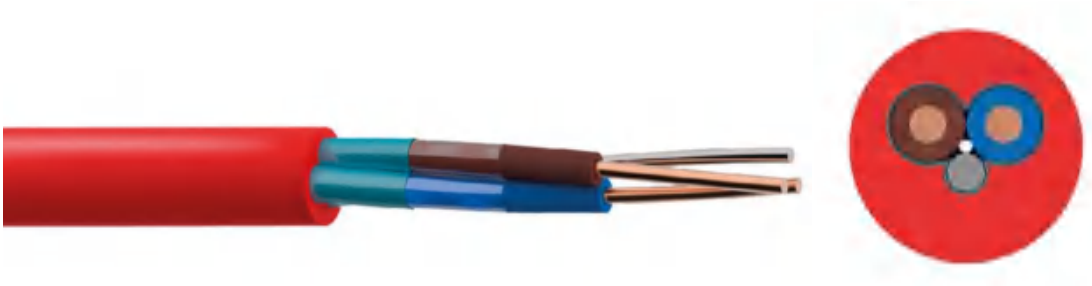

APPLICATION

Standard fire resistant cables for use primarily in fire detection, fire alarm, voice alarm, and emergency lighting circuits. These cables are designed to continue to operate for a period of time in a fire situation. 'Standard' fire resistance is recommended for general use.

CHARACTERISTICS

Voltage Rating Uo/U

300/500V

Temperature Rating

-40°C to +90°C

Minimum Bending Radius

6 x overall diameter

CONSTRUCTION

Conductor

1.5mm2 - 2.5mm2 : Class 1 solid Copper

4mm2 and over: Class 2 stranded Copper

Insulation

High performance fire resistant silicone rubber

Overall Screen

Al/PET (Aluminium/Polyester Tape)

Circuit Protective Conductor

Tinned copper

Outer Sheath

LSZH (Low Smoke Zero Halogen)

Core Identification

2 cores: Blue Brown + Bare Earth

3 cores: Brown Black Grey + Bare Earth

4 cores: Blue Brown Black Grey

Sheath Colour

Red White

STANDARDS

BS 7629-1, BS 5839-1, BS EN 50200-PH30-PH60-PH90- PH120, BS 6387, BS 5266-1, BS 8519, BS EN 60228 Low Smoke Zero Halogen to IEC/EN 60754-1/2, IEC/EN 61034-1/2

DIMENSIONS

Class 1 Solid Plain Conductor

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm2	EARTH WIRE CONSTRUCTION n° /mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
2	1.5	1/1.38	8	95
2	2.5	1/1.75	9.4	130
2	4	7/0.85	11.5	200

3	1.5	1/1.38	8.5	115
3	2.5	1/1.75	10	170
3	4	7/0.85	12.2	260
4	1.5	1/1.38	9.4	140
4	2.5	1/1.75	11	210
4	4	7/0.85	13.5	330

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm2	CONDUCTOR RESISTANCE AT 20ºC Ω/km	INSULATION RESISTANCE AT 20ºC MΩXkm	NOMINAL CAPACITANCE pF/m	
			Core / Core	Core / Screen
1	18.1	300	100	170
1.5	12.1	300	110	190
2.5	7.41	300	130	220
4	4.61	300	160	270

CURRENT CARRYING CAPACITY

Clipped Direct

NOMINAL CROSS SECTIONAL AREA mm2	CURRENT RATING Amps	
	2 Core	3 and 4 Core
1	19	17
1.5	24	22
2.5	33	30
4	45	40

In Conduit or in Cable Tray

NOMINAL CROSS SECTIONAL AREA mm2	CURRENT RATING Amps	
	2 Core	3 and 4 Core
1	17	15
1.5	22	19.5
2.5	30	26
4	40	35