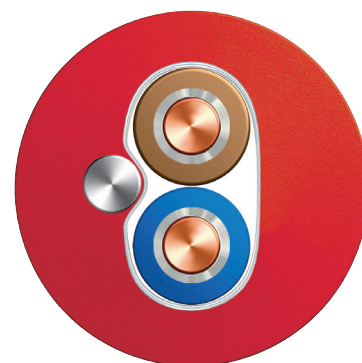


BS 7629-1

Enhanced Fire-Resistant Cables 300/500V



Application

BS 5839-1 for enhanced fire resistant cables in fire detection and fire alarm systems for building

BS 5839-8 for voice alarm systems.

BS 5839-9 for emergency voice communication systems.

BS 5266-1 for emergency lighting of premises.

BS 8519 for fire-resistant control cable systems for life safety and firefighting application - Category 2 and 3.

Cable Design

Conductor	Plain annealed copper wire, solid class 1 or stranded class 2 acc. to BS EN 60228.
Insulation	Mica/Glass fire resistant tape covered by high performance fire resistant silicone rubber type EI2 to BS EN 50363-1.
Cabling	Insulated cores are cabled together.
Overall screen	Aluminium/polyester tape.
CPC drain Wire	Uninsulated tinned copper conductor of the same section and class as the insulated conductors in the 2-, 3- and 4-core cables. Drain wire of 0.5 mm ² tinned copper conductor is provided in cables with more than 4 conductors.
Outer Jacket	LSZH thermoplastic material type LTS3 to BS 7655-6.1. Colour red or white (other colours on request).



Colour Code

2 cores:	Blue, Brown
3 cores:	Brown, Black, Grey
4 cores:	Blue, Brown, Black, Grey
7 cores:	centre - Brown, 1st layer - Brown, Black ≥ 4 cores White
12 cores:	centre - Brown, Black, White 1st layer - Brown, Black ≥ 7 cores White
19 cores:	centre - Brown, 1st layer - Brown, Black ≥ 4 cores White 2nd layer - Brown, Black ≥ 10 cores White

BS 7629-1

Enhanced Fire-Resistant Cables 300/500V

Standards

Basic design	BS 7629-1
Fire resistant	BS 6387 (cat. C-W-Z), BS EN 50200 (PH120), BS EN 50200 annex E (fire, mechanical shock and water spray), BS EN 8434-2 (120 min), IEC 60331, BS 8519 clause 11 cat.3
Flame retardant	BS EN 60332-1-2, BS EN 60332-3-24 cat. C
Acid gas emission	BS EN 60754-1
Smoke density	BS EN 61034-2

Specification

N of cond. x cross section (mm ²)	Outer diameter (mm)	Weight (kg/km)
1 mm² solid		
2x1.0	7,9	85
3x1.0*	8,4	105
4x1.0*	9,3	125
7x1.0	10,9	175
12x1.0	14,5	300
19x1.0	17,0	470
1.5 mm² solid		
2x1.5	8,8	105
3x1.5	9,3	130
4x1.5	10,3	165
7x1.5	12,1	230
12x1.5	16,0	380
19x1.5	19,0	590
1.5 mm² stranded		
2x1.5	9,2	110
3x1.5	9,7	135
4x1.5	10,5	170

BS 7629-1

Enhanced Fire-Resistant Cables 300/500V

Specification

N of cond. x cross section (mm ²)	Outer diameter (mm)	Weight (kg/km)
2.5 mm² solid		
2x2.5	10,2	150
3x2.5	10,8	190
4x2.5	12,0	240
2.5 mm² stranded		
2x2.5	10,6	155
3x2.5	11,3	190
4x2.5	12,5	250
4 mm² stranded		
2x4,0	12,2	220
3x4,0	13,0	280
4x4,0	14,4	350

approximate values

* not included in BS 7629-1:2015 and in LPCB/BASEC approval.

Belcom Cables Ltd. ("Belcom") reserves the right to make changes to the product described in this specification without prior notice. Belcom does not assume any liability which may occur due to the use of the specification described herein. Drawings are not to scale unless otherwise specified and are provided for general and informational purposes only. All values represented in this specification should be used as a guide only and exact product details can be confirmed at point of enquiry.