

# Kilflam™ Cable Range

## Standard 2000 Range

### Fire Resistant Multi-Core Cable

(Complies with BS 7629-1:2015)



Class 1 Solid Copper Conductor or Class 2 Stranded Copper Conductor/  
Silicone Rubber Insulation / Aluminum Electrostatic Screen/  
Tinned Copper Circuit Protective Conductor/  
Low Smoke Zero Halogen Sheath

#### Application

Fire Alarms for buildings and control circuits for fire safety systems, including IS 3218:2013  
Emergency lighting systems, BS 5266-1:2011 and IS3217:2013; Voice alarm and emergency  
voice communications systems, BS5839-8:2013 and BS 5839-9:2013; Data and Control  
circuits for other 'Standard' applications requiring fire resistance.

#### Cable Description

Class 1 Solid Copper Conductor to BS EN 60228 for 1.5mm<sup>2</sup>  
Class 2 Stranded Copper Conductor to BS EN 60228 for 2.5mm<sup>2</sup> - 4.0mm<sup>2</sup>  
Silicone Rubber Insulation Type EI2 to BS EN 50363  
Aluminum Electrostatic Screen  
Tinned Copper circuit protective conductor  
Low Smoke Zero Halogen Sheath

**N.B.** In the event of fire, the gases evolved from this cable are free from Halogen and the design is optimised to limit the quantity and cleanliness of the smoke evolved during this period. Although the acronym HFFR is applied to the sheath material, the terms LSOH, HFFR and HFFR are also applicable.



#### Insulation Colours

2 Core - Blue, Brown,

3 Core - Brown, Black, Grey

4 Core - Blue, Brown, Black, Grey

#### Sheath Colours

White / Red (Other Colours Available on Request)

#### Third party Accreditation



Cables are tested and approved by  
BASEC (British Approvals Service for Cables)



Cables are tested and approved by  
The loss prevention certification board (LPCB)

#### Approvals

BS 7629-1 (Standard 60)  
BS6387:2013 (Category CWZ)  
BS EN 50200:2015 (Class PH60)  
BS EN 50200:2015 Annex E (30 Mins)  
BS 5839-2013 (Clause 26.2d Standard)  
BASEC Approved  
LPCB Approved

British Cables Company Limited, Delaunays Road, Blackley, Manchester, M9 8FP, United Kingdom

Tel: +44 (0) 161 741 2345 | Fax: +44 (0) 161 795 8393 | Web: [www.britishcablescompany.com](http://www.britishcablescompany.com) | Email: [info@britishcables.com](mailto:info@britishcables.com)

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Specification and availability should be confirmed with a call to our sales representatives. ©British Cables company Limited

### Physical characteristics

No of Cores	BCC Part No.	Nominal Cross-Sectional Area (mm <sup>2</sup> )	Nominal Insulation Thickness (mm)	Nominal Overall Diameter (mm)	Maximum Conductor Resistance at 20°C (ohms/km)	Approx. Weight of Cable (kg/km)
2	BCC1971	1.50	0.70	8.40	12.10	93.00
2	BCC1972	2.50	0.80	10.10	7.41	135.0
2	BCC1973	4.00	0.80	11.40	4.61	189.0
3	BCC1977	1.50	0.70	9.15	12.10	127.0
3	BCC1978	2.50	0.80	11.05	7.41	177.0
4	BCC1983	1.50	0.70	10.20	12.10	146.0
4	BCC1984	2.50	0.80	11.65	7.41	211.0

### Mechanical characteristics

Characteristic	Unit	Value
Operating Temperature Range	°C	70
Minimum Bend Radius	Diameter	6D

### Electrical characteristics at 20°C

Characteristic	Unit	Value
Voltage Rating U <sub>o</sub> /U	V	300/500

### Fire Performance

Test	Test Method	Value	Comment
Fume Emission	XR-F	No halogen, nitrogen, phosphorous or Sulphur containing com-pounds (trace elements ≤ 0.5% w/w)	Compliant
Single Cable Vertical Burn Test	BS EN 60332-1: 2004	Onset of char (from top support): > 50mm Extent of char (from top support): < 540mm	Compliant
Acid Gas Emission	BS EN 50267-2-1: 1999	Less than 5mg/g	Compliant
Smoke Emission	BS EN 61034-2: 2005	Minimum light transmittance >80%	Compliant