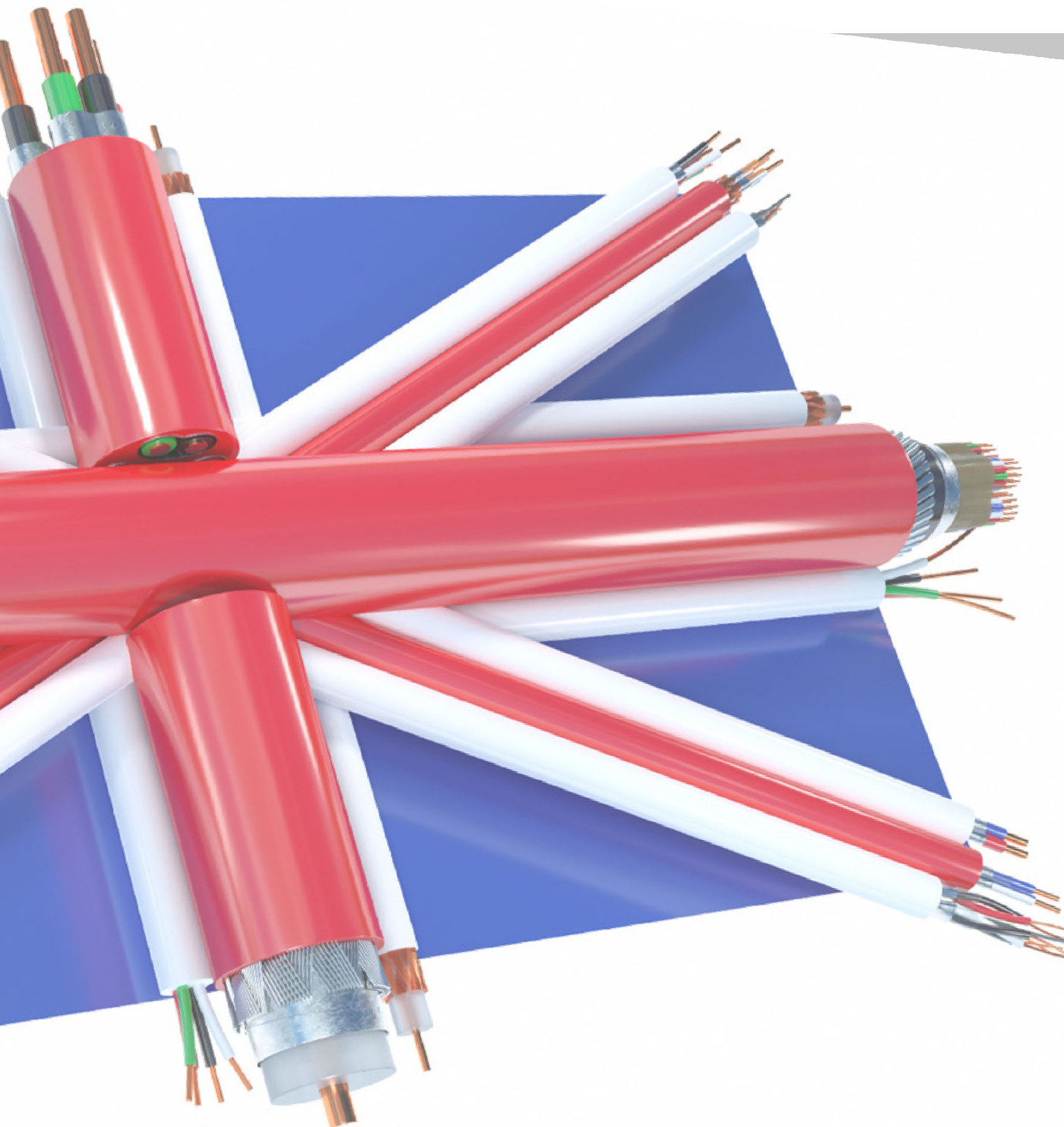


British Cables Company  
**FUMEGUARD™**  
Product Range Catalogue





## Contents

|                                                             |    |
|-------------------------------------------------------------|----|
| Fumeguard™ Introduction.....                                | 3  |
| Section 1   6491B Single Core Cables.....                   | 4  |
| Section 2   2491B Flexible Single Core Cables.....          | 6  |
| Section 3   6181B Double Insulated Single Core Cables ..... | 8  |
| Section 4   6242B/6243B Flat Multi-Core Cables .....        | 10 |
| Section 5   318-B Flexible Multi-Core Cables.....           | 12 |

British Cables Company. Trust in our experience.

# FUMEGUARD™

## LOW SMOKE, ZERO HALOGEN CABLES



Fumeguard™ is a complete range of low voltage power cables made to the highest standards using low smoke zero halogen materials (LSZH). The range includes single cores for use in conduits, trunking and panel wiring. Other application uses such as lighting fixtures, appliance wiring and switchboard wiring are also common.

Double insulated single cores for meter tails and flat multicores for fixed wiring applications.

Flexible cables for general supply leads, appliance leads and pendant lighting drops are also available.

The Fumeguard™ cable range lends itself to installation locations where the emission of smoke and toxic fumes in the event of a fire would cause a potential threat to both human life and essential equipment.

Fumeguard™ cables are manufactured to the latest British Standards as per below;

BS EN 50525-3-41:2011 - *Electric Cables – Low voltage energy cables of rated voltages up to and including 450/750V. Single Core Cables with halogen-free crosslinked insulation, and low emission of smoke.*

BS 7211:2012- *Electric Cables – Thermosetting insulated and thermoplastic sheathed cables for voltage up to and including 450/750V for electric power and lighting and having low emission of smoke and corrosive gasses when affected by fire.*

BS EN 50525-3-11:2011 - *Electric Cables – Low voltage energy cables of rated voltages up to and including 450/750V. Flexible Cables with halogen-free thermoplastic insulation, and low emission of smoke.*



Fumeguard™ cables are fire safety tested to the following British and International standards;

|                              |                             |
|------------------------------|-----------------------------|
| SMOKE EMISSION:              | BS EN 61034 IEC 61034-2     |
| FLAME RETARDANT:             | BS EN 60332-1-2             |
| ACID GAS EMISSION:           | BS EN 50267-2-1 IEC 60754-1 |
| DEGREE OF ACIDITY EMISSIONS: | BS EN 50267-2-3 IEC 60754-2 |

All Fumeguard™ cables are approved by the British Approvals Service for Cables (BASEC).



# Fumeguard Cable Range

## 6491B / H07Z-R Single Core Cable

(Complies with BS EN 50525-3-41)

Class 2 Stranded Copper/ Low Smoke  
Zero Halogen Sheath



### Application

Designed for use in conduits, trunking and other fixed wiring protected installations. It is recommended for use in dry environments, for applications such as wiring lighting fixtures and appliances, and switchboards.

Manufactured to harmonised (HAR) European Standard H07Z-R, the cable has a Low Smoke Zero Halogen (LSZH) insulation, making it suitable for installations in public buildings where, in the event of fire, smoke and acid gas evolution would pose a hazard to public life and equipment.

### Cable Description

Class 2 stranded copper wire, Low smoke zero halogen cross linked polyethylene (XLPE)

**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

Red, Black, White, Green/Yellow, Blue, Brown, Violet, Yellow, Grey, Orange, Pink

### Third party Accreditation



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



### Physical characteristics

| Nominal Cross-Sectional Area (mm <sup>2</sup> ) | Nominal Radial Thickness (mm) | Nominal Insulated Diameter (mm) | Maximum Insulated Diameter (mm) | Maximum Conductor Resistance at 20°C (ohms/km) | Nominal Weight (kg/km) |
|-------------------------------------------------|-------------------------------|---------------------------------|---------------------------------|------------------------------------------------|------------------------|
| 1.5                                             | 0.70                          | 3.10                            | 3.40                            | 12.10                                          | 21                     |
| 2.5                                             | 0.80                          | 3.60                            | 4.10                            | 7.41                                           | 25                     |
| 4.0                                             | 0.80                          | 4.20                            | 4.70                            | 4.61                                           | 50                     |
| 6.0                                             | 0.80                          | 4.70                            | 5.40                            | 3.08                                           | 70                     |
| 10.0                                            | 1.00                          | 6.10                            | 7.00                            | 1.83                                           | 120                    |
| 16.0                                            | 1.00                          | 7.20                            | 8.00                            | 1.15                                           | 180                    |
| 25.0                                            | 1.20                          | 9.00                            | 10.1                            | 0.73                                           | 285                    |

### Mechanical characteristics

| Characteristic              | Unit              | Value                 |
|-----------------------------|-------------------|-----------------------|
| Operating Temperature Range | °C                | 90                    |
| Tensile Strength Min        | N/mm <sup>2</sup> | 10                    |
| % Elongation min            | %                 | 125                   |
| Hot Set Elongation at 200°C | %                 | 100                   |
| Minimum Bend Radius         | Diameter          | ≤10mm 3D / 10-25mm 4D |
| Low Temperature Bend        | °C                | -15                   |

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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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Electrical characteristics at 20°C

| Characteristic       | Unit | Value       |
|----------------------|------|-------------|
| Voltage Rating       | V    | 450/750     |
| Voltage test at 20°C | KV   | 2.5         |
| Current Rating Table | -    | 4E1A / 4E1B |

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<br>Extent of char (from top support): < 540mm         | Compliant            |
| Bunched Cable Vertical Burn Test | BS EN 50399               | PHR / THR / FIGRA / SPR / TSP / d                                                              | 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 >60%                                                               | Compliant            |
| CPR Euro Classification          | BS EN 50575-201 4 AI-2016 | Dca                                                                                            | DoP BCC00152-BCC0157 |

# Fumeguard Cable Range

## 2491B / H05Z-K, H07Z-K Single Core Cable

(Complies with BS EN 50525-3-41)

Class 5 Flexible Stranded Copper/  
Low Smoke Zero Halogen Sheath



BRITISH CABLES COMPANY

### Application

Designed for use within instrument control panels and switch control. Can be installed within conduits, trunking and used for fixed internal wiring within appliances.

Manufactured to harmonised (HAR) European Standard H05Z-K, H07Z-K the cable has a Low Smoke Zero Halogen (LSZH) insulation, making it suitable for installations in public buildings where, in the event of fire, smoke and acid gas evolution would pose a hazard to public life and equipment.

### Cable Description

Class 5 flexible stranded copper wire, Low smoke zero halogen cross linked polyethylene (XLPE)

**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

Red, Black, White, Green/Yellow, Blue, Brown, Violet, Grey, Orange, Pink (Other Colours Available on Request)

### Third party Accreditation



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

### Physical characteristics

| Nominal Cross-Sectional Area (mm <sup>2</sup> ) | Nominal Radial Thickness (mm) | Nominal Insulated Diameter (mm) | Maximum Insulated Diameter (mm) | Maximum Conductor Resistance at 20°C (ohms/km) | Nominal Weight (kg/km) |
|-------------------------------------------------|-------------------------------|---------------------------------|---------------------------------|------------------------------------------------|------------------------|
| 0.50                                            | 0.60                          | 2.30                            | 2.60                            | 39.00                                          | 8.70                   |
| 0.75                                            | 0.60                          | 2.40                            | 2.80                            | 26.00                                          | 11.30                  |
| 1.00                                            | 0.60                          | 2.60                            | 2.90                            | 19.50                                          | 13.90                  |
| 1.50                                            | 0.70                          | 3.10                            | 3.50                            | 13.30                                          | 19.30                  |
| 2.50                                            | 0.80                          | 3.60                            | 4.30                            | 7.96                                           | 28.00                  |
| 4.00                                            | 0.80                          | 4.20                            | 4.90                            | 4.95                                           | 48.00                  |
| 6.00                                            | 0.80                          | 4.70                            | 5.50                            | 3.30                                           | 65.00                  |
| 10.0                                            | 1.00                          | 6.10                            | 7.10                            | 1.91                                           | 110.0                  |
| 16.0                                            | 1.00                          | 7.20                            | 8.40                            | 1.21                                           | 165.0                  |

### Mechanical characteristics

| Characteristic              | Unit              | Value |
|-----------------------------|-------------------|-------|
| Operating Temperature Range | °C                | 90    |
| Tensile Strength Min        | N/mm <sup>2</sup> | 10    |
| % Elongation min            | %                 | 125   |
| Hot Set Elongation at 200°C | %                 | 100   |
| Minimum Bend Radius         | Diameter          | 4D    |
| Low Temperature Bend        | °C                | -15   |

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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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Electrical characteristics at 20°C

| Characteristic       | Unit | Value                            |
|----------------------|------|----------------------------------|
| Voltage Rating       | V    | H05Z-K 300/500<br>H07Z-K 450/750 |
| Voltage test at 20°C | KV   | 2.5                              |
| Current Rating Table | -    | 4E1A / 4E1B                      |

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<br>Extent of char (from top support): < 540mm         | Compliant |
| Bunched Cable Vertical Burn Test | BS EN 50399               | PHR / THR / FIGRA / SPR / TSP / d                                                              | 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 >60%                                                               | Compliant |
| CPR Euro Classification          | BS EN 50575-201 4 AI-2016 | Dca                                                                                            |           |

# Fumeguard Cable Range

## 6181B / Double Insulated Single Core

(Complies with BS 7211:2012)

Class 2 Stranded Copper  
XLPE (Cross Linked Polyethylene) Insulation  
Low Smoke Zero Halogen Sheath



### Application

Double Insulated single core cable used for general surface cable for fixed installation, domestic and light industrial use. Often used as meter tails.

The cable is manufactured with a Low Smoke Zero Halogen (LSZH) sheath, making it suitable for installations in public buildings where, in the event of fire, smoke and acid gas evolution would pose a hazard to public life and equipment.



### Cable Description

Class 2 stranded copper wire,

Low smoke zero halogen cross linked polyethylene (XLPE)

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

Blue / Brown

### Sheath Colours

White

### Third party Accreditation



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

### Physical characteristics

| Nominal Cross-Sectional Area (mm <sup>2</sup> ) | Nominal Radial Thickness Insulation (mm) | Nominal Radial Thickness Sheath (mm) | Maximum Diameter (mm) | Maximum Conductor Resistance at 20°C (ohms/km) | Nominal Weight (kg/km) |
|-------------------------------------------------|------------------------------------------|--------------------------------------|-----------------------|------------------------------------------------|------------------------|
| 1.5                                             | 0.70                                     | 0.80                                 | 5.20                  | 12.10                                          | 31                     |
| 2.5                                             | 0.70                                     | 0.80                                 | 5.60                  | 7.41                                           | 41                     |
| 4.0                                             | 0.70                                     | 0.90                                 | 6.40                  | 4.61                                           | 62                     |
| 6.0                                             | 0.70                                     | 0.90                                 | 7.10                  | 3.08                                           | 82                     |
| 10.0                                            | 0.70                                     | 0.90                                 | 8.10                  | 1.83                                           | 126                    |
| 16.0                                            | 0.70                                     | 0.90                                 | 9.20                  | 1.15                                           | 180                    |
| 25.0                                            | 0.90                                     | 1.00                                 | 11.40                 | 0.73                                           | 280                    |
| 35.0                                            | 0.90                                     | 1.10                                 | 12.80                 | 0.52                                           | 370                    |

### Mechanical characteristics

| Characteristic                              | Unit     | Value |
|---------------------------------------------|----------|-------|
| Operating Temperature Range                 | °C       | 90    |
| Minimum Bend Radius up to 25mm <sup>2</sup> | Diameter | 8D    |

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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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|                           |          |     |
|---------------------------|----------|-----|
| Minimum Bend Radius 35mm2 | Diameter | 12D |
|---------------------------|----------|-----|

### Electrical characteristics at 20°C

| Characteristic       | Unit | Value       |
|----------------------|------|-------------|
| Voltage Rating       | V    | 450/750     |
| Voltage test at 20°C | KV   | 2.5         |
| Current Rating Table | -    | 4E1A / 4E1B |

### 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 |
| Bunched Cable Vertical Burn Test | BS EN 50399               | PHR / THR / FIGRA / SPR / TSP / d                                                              | 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 >60%                                                               | Compliant |
| CPR Euro Classification          | BS EN 50575-201 4 AI-2016 | Dca                                                                                            |           |

# Fumeguard Cable Range

## 6242B / 6243B Twin & Earth Sheathed Cables

(Complies with BS 7211:2012)

Class 1 Solid Copper / Class 2 Stranded Copper/ Low Smoke  
Zero Halogen Insulation / Low Smoke Zero Halogen Sheath



BRITISH CABLES COMPANY

### Application

Designed for fixed wiring installations in dry or damp premises clipped to surface, on trays or in free air where there is no risk of mechanical damage. It is suitable for laying in conduit or trunking where mechanical protection is required.

This is a zero halogen, low smoke and flame-retardant alternative to standard PVC cable. It is suited to non-emergency systems in public buildings where reduction in the volume of smoke and acid gas emissions is essential.



### Cable Description

Class 1 Solid / Class 2 stranded copper conductor,  
Class 1 Solid / Class 2 stranded un-insulated circuit protection conductor (CPC),  
Low smoke zero halogen cross linked polyethylene (XLPE) insulation,  
Low smoke zero halogen (LSZH) outer sheath.

Can be supplied in flat design or easy strip design.

**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

### Third party Accreditation



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

### Physical characteristics

| No of Cores | Conductor Class | Nominal Cross-Sectional Area (mm <sup>2</sup> ) | Nominal Insulation Thickness (mm) | Nominal Sheath Thickness (mm) | Nominal Overall Dimensions (mm) | Maximum Conductor Resistance at 20°C (ohms/km) | Approx. Weight of Cable (kg/km) |
|-------------|-----------------|-------------------------------------------------|-----------------------------------|-------------------------------|---------------------------------|------------------------------------------------|---------------------------------|
| 2           | 1               | 1.00                                            | 0.70                              | 0.90                          | 4.10 x 8.65                     | 18.10                                          | 70                              |
| 2           | 1               | 1.50                                            | 0.80                              | 1.00                          | 4.55 x 8.80                     | 12.10                                          | 80                              |
| 2           | 1               | 2.50                                            | 0.80                              | 1.00                          | 5.40 x 10.50                    | 7.41                                           | 110                             |
| 2           | 2               | 4.00                                            | 1.00                              | 1.10                          | 6.10 x 12.00                    | 4.61                                           | 150                             |
| 2           | 2               | 6.00                                            | 1.00                              | 1.10                          | 6.90 x 13.80                    | 3.08                                           | 210                             |
| 2           | 2               | 10.0                                            | 1.00                              | 1.20                          | 8.40 x 18.50                    | 1.83                                           | 220                             |
| 2           | 2               | 16.0                                            | 1.00                              | 1.30                          | 9.70 x 20.60                    | 1.15                                           | 475                             |
| 3           | 1               | 1.00                                            | 0.70                              | 0.90                          | 4.60 x 9.70                     | 18.10                                          | 90                              |
| 3           | 1               | 1.50                                            | 0.80                              | 1.00                          | 4.75 x 11.45                    | 12.10                                          | 110                             |
| 3           | 1               | 2.50                                            | 0.80                              | 1.00                          | 5.46 x 13.40                    | 7.41                                           | 150                             |

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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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Mechanical characteristics

| Characteristic              | Unit     | Value |
|-----------------------------|----------|-------|
| Operating Temperature Range | °C       | 90    |
| Minimum Bend Radius         | Diameter | 4D    |

Electrical characteristics at 20°C

| Characteristic       | Unit | Value           |
|----------------------|------|-----------------|
| Voltage Rating Uo/U  | V    | 300/500         |
| Current Rating Table | -    | 4D5<br>(BS7671) |

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<br>Extent of char (from top support): < 540mm         | Compliant |
| Bunched Cable Vertical Burn Test | BS EN 50399               | PHR / THR / FIGRA / SPR / TSP / d                                                              | 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 >60%                                                               | Compliant |
| CPR Euro Classification          | BS EN 50575-201 4 AI-2016 | Dca                                                                                            |           |

# Fumeguard Cable Range

## 318-B (H05Z1Z1-F)

### Insulated & Sheathed Flexible Cables

(Complies with BS 50525-3-11)



#### Class 5 Flexible Copper / Low Smoke Zero Halogen Insulation / Low Smoke Zero Halogen Sheath

##### Application

Designed primarily for domestic and commercial premises as a general supply lead. Applications include pendant lighting drops and connecting domestic appliances to a fixed supply.

This is a zero halogen, low smoke and flame-retardant cable. It is suited to indoor public areas where reduction in the volume of smoke and acid gas emissions is essential.



##### Cable Description

Class 5 flexible copper conductor,  
Low smoke zero halogen (LSZH) insulation,  
Low smoke zero halogen (LSZH) outer 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 - Green/Yellow, Blue, Brown

4 Core - Green/Yellow, Brown, Black, Grey

5 Core - Green/Yellow, Brown, Black, Grey, Blue

##### Sheath Colours

White / Black (Other Colours Available on Request)

##### Physical characteristics

| No of Cores | Conductor Class | Nominal Cross-Sectional Area (mm <sup>2</sup> ) | Nominal Insulation Thickness (mm) | Nominal Sheath Thickness (mm) | Nominal Overall Diameter (mm) | Maximum Conductor Resistance at 20°C (ohms/km) | Approx. Weight of Cable (kg/km) |
|-------------|-----------------|-------------------------------------------------|-----------------------------------|-------------------------------|-------------------------------|------------------------------------------------|---------------------------------|
| 2           | 5 (24/0.20)     | 0.75                                            | 0.60                              | 0.80                          | 6.50                          | 26.00                                          | 50.00                           |
| 2           | 5 (32/0.20)     | 1.00                                            | 0.60                              | 0.80                          | 6.80                          | 19.50                                          | 60.00                           |
| 2           | 5 (30/0.25)     | 1.50                                            | 0.70                              | 0.80                          | 7.80                          | 13.30                                          | 80.00                           |
| 2           | 5 (50/0.25)     | 2.50                                            | 0.80                              | 1.00                          | 9.30                          | 7.98                                           | 120.00                          |
| 2           | 5 (56/0.30)     | 4.00                                            | 0.80                              | 1.10                          | 10.50                         | 4.95                                           | 160.00                          |
| 2           | 5 (24/0.20)     | 0.75                                            | 0.60                              | 0.80                          | 6.80                          | 26.00                                          | 60.00                           |
| 2           | 5 (32/0.20)     | 1.00                                            | 0.60                              | 0.80                          | 7.10                          | 19.50                                          | 70.00                           |
| 3           | 5 (30/0.25)     | 1.50                                            | 0.70                              | 0.90                          | 8.30                          | 13.30                                          | 98.00                           |
| 3           | 5 (50/0.25)     | 2.50                                            | 0.80                              | 1.10                          | 10.50                         | 7.98                                           | 150.00                          |
| 3           | 5 (56/0.30)     | 4.00                                            | 0.80                              | 1.20                          | 11.50                         | 4.95                                           | 200.00                          |
| 4           | 5 (24/0.20)     | 0.75                                            | 0.60                              | 0.80                          | 7.60                          | 26.00                                          | 72.00                           |
| 4           | 5 (32/0.20)     | 1.00                                            | 0.60                              | 0.90                          | 8.20                          | 19.50                                          | 88.00                           |
| 4           | 5 (30/0.25)     | 1.50                                            | 0.70                              | 1.00                          | 9.60                          | 13.30                                          | 120.00                          |
| 4           | 5 (50/0.25)     | 2.50                                            | 0.80                              | 1.10                          | 11.40                         | 7.98                                           | 180.00                          |
| 4           | 5 (56/0.30)     | 4.00                                            | 0.80                              | 1.20                          | 12.50                         | 4.95                                           | 265.00                          |
| 5           | 5 (24/0.20)     | 0.75                                            | 0.60                              | 0.90                          | 8.60                          | 26.00                                          | 90.00                           |

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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|   |             |      |      |      |       |       |        |
|---|-------------|------|------|------|-------|-------|--------|
| 5 | 5 (32/0.20) | 1.00 | 0.60 | 0.90 | 9.40  | 19.50 | 105.00 |
| 5 | 5 (30/0.25) | 1.50 | 0.70 | 1.10 | 10.60 | 13.30 | 150.00 |
| 5 | 5 (50/0.25) | 2.50 | 0.80 | 1.20 | 12.50 | 7.98  | 225.00 |
| 5 | 5 (56/0.30) | 4.00 | 0.80 | 1.40 | 15.00 | 4.95  | 330.00 |

**Mechanical characteristics**

| Characteristic              | Unit     | Value |
|-----------------------------|----------|-------|
| Operating Temperature Range | °C       | 70    |
| Minimum Bend Radius         | Diameter | 5D    |

**Electrical characteristics at 20°C**

| Characteristic       | Unit | Value   |
|----------------------|------|---------|
| Voltage Rating Uo/U  | V    | 300/500 |
| Current Rating Table | -    | 4F3A    |

**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<br>Extent of char (from top support): < 540mm         | Compliant |
| Bunched Cable Vertical Burn Test | BS EN 50399               | PHR / THR / FIGRA / SPR / TSP / d                                                              | 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 >60%                                                               | Compliant |
| CPR Euro Classification          | BS EN 50575-201 4 AI-2016 | Dca                                                                                            |           |