

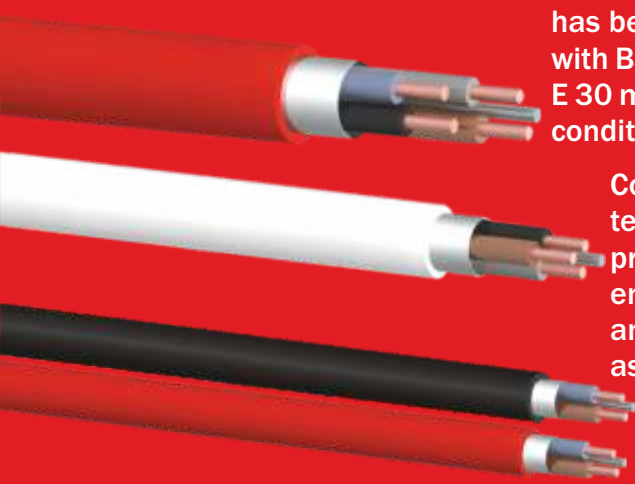
High Performance Fire Cable

Low Smoke Zero Halogen emissions under fire conditions.

The cable retains continuity for 30 minutes under fire conditions at 830°C including 15 minutes under fire & water conditions and with a mechanical shock applied every 5 minutes during the full 30 minute test.

Context Plus HP fire cable is also approved to meet a 3 hours only fire duration at 950°C & 2 hours fire and mechanical shock duration at 830°C.

Fire System Cables



Context Plus High Performance 'Standard Grade' Fire Performance Cable has been independently tested and approved by LPCB & BASEC to meet with BS 5839-1:2017 Clause 26.2d Standard, BS EN 50200:2015+Annex E 30 minutes, and BS EN 50200:2015 PH30, PH60 & PH120 - under fire conditions.

Context Plus HP cable is manufactured in the UK using the latest technology, materials and manufacturing equipment. Materials and processes are recorded and tracked throughout manufacture to ensure consistent reliability and quality. All cable is marked with time and date of manufacture and each reel with a unique quality assurance batch and test number.

Context Plus HP cable cores are twisted during manufacture to provide the highest level of data protection, ideal for long cable runs and analogue addressable fire systems.

Context Plus HP fire cable is the fastest cable to prepare for termination.

- Approved and Certified to meet
 - BS 5839-1:2017 Clause 26.2d
 - BS EN 50200:2015+Annex E 30 mins
 - BS EN 50200:2015 PH30, PH60 & PH120
 - BS 7629-1:2015 Standard 60
 - BS 6387:2013 Clause 6, 7 & 8 CWZ
 - BS EN 50267-2-1:1999
 - BS EN 61034-2:2005+A1:2013
 - BS EN 60332-1-2:2004
 - BS EN 60332-3-24 & -3-25:2009

- 'Standard' Fire Cable
 - Fire Resistance Standard
 - Fire Resistance Standard
 - Fire Resistance Standard
 - Fire Resistance Standard
 - Halogen Emission Standard
 - Low Smoke Standard
 - Single Cable Retardancy
 - Bunched Cable Retardancy



- Also suitable for
 - Emergency Lighting Standard BS 5266-1:2016
 - Voice Alarm Systems Standard BS 5839-8:2013
 - Voice Communication Standard BS 5839-9:2011
(Risk Assessment May Demand Mechanical Protection)
 - Irish System Standard IS 3217:2013
 - Irish System Standard IS 3218:2013



Fire Performance Cable

Features

- Reduced Installation time and costs
- Easy to install and Superb Working Flexibility
- All in one - Easy to Strip Outer Sheath
- No Separate Foil
- No Additional Fibre Wraps
- No mica tape on conductors
- No additional core separators to remove
- Cable Construction Provides High Level Data Protection
- Voltage Rating 300v/500v

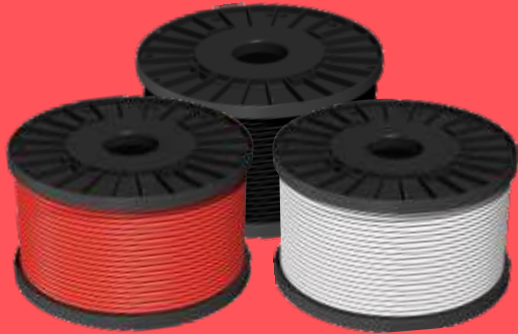
Conductor Size	All HP Cables Include Full Same Sized CPC (Earth Wire)		
Red Sheath	2 Cores	3 Cores	4 Cores
1.00mm ²	FPS-210ER	FPS-310ER	FPS-410ER
1.50mm ²	FPS-215ER	FPS-315ER	FPS-415ER
2.50mm ²	FPS-225ER	FPS-325ER	FPS-425ER
4.00mm ²	FPS-S240ER		
White Sheath	2 Cores	3 Cores	4 Cores
1.00mm ²	FPS-210EW	FPS-310EW	FPS-410EW
1.50mm ²	FPS-215EW	FPS-315EW	FPS-415EW
2.50mm ²	FPS-225EW	FPS-325EW	FPS-425EW
4.00mm ²	FPS-S240EW		
Black Sheath	2 Cores	4 Cores	
1.50mm ²	FPS-215EBK	FPS-415BK	
2.50mm ²	FPS-225EBK		

*All above are solid core except FPS-S240ER & FPS-S240EW which are stranded.

The Fastest Fire Cable to Install

Context Plus HP is available in a variety of multiple core combinations all with CPC (circuit protection conductor).

100m, 200m, 500m reels and other special lengths are available.



Supplied On Robust Plastic Reels

- Installer safe and easy handling •
- Better Reeling and damage resistant •
- Weather and moisture resistant •

Manufacturers Recommended Installation Guide Lines

Recommended metal clip spacing 300mm Horizontal
400mm Vertical

Recommended Cable Tray Fastening - Metal Tie, spacing every 1.5 metres.

Installation Temperatures:

Minimum installation Temperature 0°C
Maximum installation Temperature 70°C

Operating Temperature:

Minimum -40°C to Maximum +90°C.

The cable should not be flexed or bent when either the cable or operating temperature is below the recommended minimum or above the maximum recommended **installation** temperatures.

Minimum Bend Radius = 6 x Diameter

Plastic clips or ties must not be used as the sole means of support for fire cable.

Warranty Period 10 Years from Date of Manufacture
Identification Date of Manufacture Marked On Cable

Specifications

LPCB & BASEC approved to	'Standard Grade' Fire Cable Fire Resistance Standard Fire Resistance Standard Fire Resistance Standard Fire Resistance Standard Halogen Emission Standard Low Smoke Standard Single Cable Retardancy Bunched Cable Retardancy	BS 5839-1:2017 Clause 26.2d BS EN 50200:2015 +Annex E 30 mins. BS EN 50200:2015 PH30, PH60 & PH120 BS 7629-1:2015 Standard 60 BS 6387:2013 Clause 6, 7 & 8 CWZ BS EN 60754-1:2014 BS EN 61034-2:2005+A1:2013 BS EN 60332-1-2:2004 BS EN 60332-3-24 & -3-25:2009
Designed to comply to	Emergency Lighting Voice Alarm Systems Standard Voice Communication Standard (Risk Assessment May Demand Mechanical Protection)	BS 5266-1:2016 BS 5839-8:2013 BS 5839-9:2011
Materials	CPC (Earth) Conductors Core Installation Screening Outer Sheath	Tinned Annealed Copper Plain Annealed Copper Fire Resistant Silicone Aluminium Foil Low Smoke Halogen Free Thermoplastic
Working Voltage	Core to Core Core to CPC	500V 300V
Types	Outer Sheath Colours Number of Cores Inner Cores CSA	Red, White or Black 2, 3 & 4 Core 1.00, 1.50, 2.50 & 4.00mm ² CSA
Resistance	1.00mm ² CSA 1.50mm ² CSA 2.50mm ² CSA 4.00mm ² CSA	18.1 Ohms / 1 Km 12.1 Ohms / 1 Km 7.41 Ohms / 1 Km 4.61 Ohms / 1 Km
Minimum Bend Radius	Radius = 6 x Diameter	
Operating Temp. Installation Temp.	Minimum/Maximum Minimum/Maximum	- 40°C to +90°C 0°C to +70°C
Voltage Drop (DC or Single Phase AC)	1.00mm ² CSA 1.50mm ² CSA 2.50mm ² CSA 4.00mm ² CSA	44 Ohms mV / A / m 29 Ohms mV / A / m 18 Ohms mV / A / m 11 Ohms mV / A / m
Approximate Overall Diameter	2 Core	1.0mm ² / 7.75mm 1.5mm ² / 7.85mm 2.5mm ² / 9.20mm 4.0mm ² / 11.90mm
	3 Core	1.5mm ² / 8.80mm 2.5mm ² / 9.70mm 4.0mm ² / 12.60mm
	4 Core	1.5mm ² / 9.40mm 2.5mm ² / 11.60mm 4.0mm ² / 13.75mm
Approximate Weights	2 Core with CPC	1.0mm ² 8.0 Kg / 100 m 1.5mm ² 9.5 Kg / 100 m 2.5mm ² 14.1 Kg / 100 m 4.0mm ² 20.0 Kg / 100 m
	3 Core with CPC	1.5mm ² 12.9 Kg / 100 m 2.5mm ² 19.1 Kg / 100 m 4.0mm ² 25.0 Kg / 100 m
	4 Core with CPC	1.5mm ² 14.5 Kg / 100 m 2.5mm ² 22.2 Kg / 100 m 4.0mm ² 31.0 Kg / 100 m
Current Rating (Current Ratings listed are at 30°C Refer to BS7671/EE Wiring Regulations for de-rating factor.)	Cable Clipped (DC or Single Phase AC)	1.00mm ² 15A 1.50mm ² 19.5A 2.50mm ² 27A 4.00mm ² 36A
	Enclosed (DC or Single Phase AC)	1.00mm ² 13A 1.50mm ² 16.5A 2.50mm ² 23A 4.00mm ² 30A
Capacitance Rating	1.50mm ² CSA 2 Core & CPC 3 Core & CPC 4 Core & CPC ~	Core to Core - Average 70 pF/m Core to Screen - Average 130 pF/m
	2.50mm ² CSA 2 Core & CPC 3 Core & CPC 4 Core & CPC ~	Core to Core - Average 75 pF/m Core to Screen - Average 150 pF/m
		Core to Core - Average 80 pF/m Core to Screen - Average 145 pF/m
		Core to Core - Average 85 pF/m Core to Screen - Average 165 pF/m

