

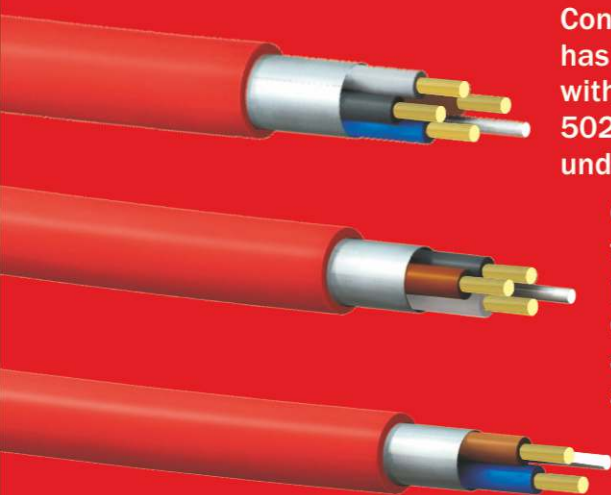
High Performance Fire Cable

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 5839-1:2002+A2:2008 Clause 26.2d Standard, BS EN 50200:2006+Annex E 30 minutes, and BS EN 50200:2006 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 5839-1:2002+A2:2008 Clause 26.2d 'Standard' Fire Cable
 - BS EN 50200:2006+Annex E 30 mins Fire Resistance Standard
 - BS EN 50200:2006 PH120 Fire Resistance Standard
 - BS 7629-1:2008 Fire Resistance Standard
 - BS 6387:1994 Clause 11 CWZ Fire Resistance Standard
 - BS EN 50267-2-1:1999 Halogen Emission Standard
 - BS EN 61034-2:2005 Low Smoke Standard
 - Also suitable for
 - Emergency Lighting Standard BS 5266-1:2011
 - Voice Alarm Systems Standard BS 5839-8:2008
 - Voice Communication Standard BS 5839-9:2003
- (Risk Assessment May Demand Mechanical Protection)

Emergency Lighting Systems

Emergency Lighting System standard BS 5266-1:2011 has replaced the previous 2005 Edition.

Where a standard fire cable needs to be used for Emergency Lighting and in addition to Annex E of BS EN50200 the standard requires a fire cable to meet BS EN50200 PH60 - a one hour fire test. Context Plus HP is certified by LPCB and BASEC to meet twice the required duration to PH120 - a two hour duration.

Be Safe - Insist on Context Plus HP for all Emergency Lighting Systems



LPCB Ref. No. 682a/01



Licence No: 152/001

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

	2 Cores	3 Cores	4 Cores
Red Sheath			
All Cables Include CPC (Earth)			
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			
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			
1.50mm ²	FPS-215EBK		FPS-415BK
2.50mm ²	FPS-225EBK		

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



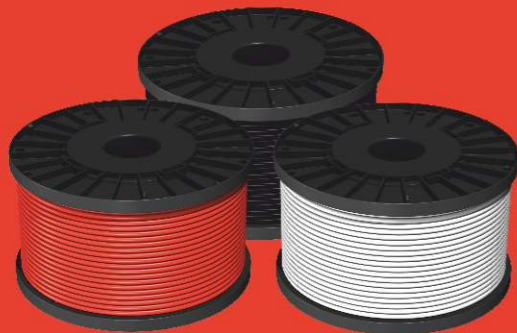
Manufactured in Great Britain

10 YEARS WARRANTY

The Fastest Fire Cable to Install

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

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.

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	BS 5839-1:2002 + A2:2008 Clause 26.2d BS EN 50200:2006 +Annex E 30 mins. BS EN 50200:2006 PH120 BS 7629-1:2008 BS 6387:1994 Clause 11 CWZ BS EN 50267-2-1:1999 BS EN 61034-2:2005	
Designed to comply to	Emergency Lighting Voice Alarm Systems Standard Voice Communication Standard (Risk Assessment May Demand Mechanical Protection)	BS 5266-1:2011 BS 5839-8:2008 BS 5839-9:2003	
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	1.00mm ² / 7.90mm 1.50mm ² / 8.30mm 2.50mm ² / 9.40mm 4.00mm ² / 11.90mm	
	3 Core	1.00mm ² / 8.40mm 1.50mm ² / 9.40mm 2.50mm ² / 10.80mm 4.00mm ² / 12.80mm	
	4 Core	1.00mm ² / 8.90mm 1.50mm ² / 9.80mm 2.50mm ² / 11.40mm 4.00mm ² / 13.90mm	
	Approximate Weights	2 Core with CPC	1.00mm ² 8.0 Kg / 100 m 1.50mm ² 9.5 Kg / 100 m 2.50mm ² 14.1 Kg / 100 m 4.00mm ² 20.0 Kg / 100 m
	3 Core with CPC	1.00mm ² 9.5 Kg / 100 m 1.50mm ² 12.9 Kg / 100 m 2.50mm ² 19.1 Kg / 100 m 4.00mm ² 25.0 Kg / 100 m	
	4 Core with CPC	1.00mm ² 10.9 Kg / 100 m 1.50mm ² 14.5 Kg / 100 m 2.50mm ² 22.2 Kg / 100 m 4.00mm 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	Core to Core - Average 70 pF/m Core to Screen - Average 130 pF/m	
	2 Core & CPC } 3 Core & CPC }		
	4 Core & CPC ~		
	2.50mm ² CSA		
	2 Core & CPC } 3 Core & CPC }	Core to Core - Average 80 pF/m Core to Screen - Average 145 pF/m	
	4 Core & CPC ~	Core to Core - Average 85 pF/m Core to Screen - Average 165 pF/m	
	Warranty	Period Identification	10 Years from Date of Manufacture Date of Manufacture Marked On Cable



Manufactured in Great Britain

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E&OE

CE 10 YEARS WARRANTY
VA157 Version: 1.0 Issued: 24/08/2012