Context Plus

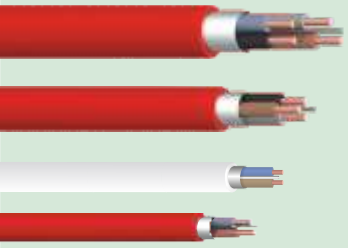
XPS Special

XPS Special Fire Performance Cable

Low Smoke Zero Halogen emissions under fire conditions

Fire System Cables

2 core, 3 core & 4 cores types available



Conductor Sizes
From 1.00mm² to 4.00mm²

The XP range has been expanded to offer our XPS Special option - Designed to comply with the varied performance requirements of international fire cable demands.

The XPS Special range is approved & certified by LPCB to meet EN 50200:2015 PH30, BS 6387:2013 CWZ and EN 60332-1-2:2004 fire test standards plus the additional life safety requirements provided by Low Smoke & Zero Halogen emission levels.

Manufactured in the UK by one of the largest 'British Standards' fire cable manufacturers in the World using the latest technology, materials and equipment. All materials and processes are recorded and tracked throughout manufacture to ensure consistent quality. All cables are printed along the entire length with time & date of manufacture and a unique quality assurance batch number for full traceability .

Approved Low Smoke & Zero Halogen Emissions Under Fire Conditions

Flame Retardancy EN 60332-1-2:2004
A flame of 1kw of caloric power is applied for 30 seconds. XPS cable self extinguishes leaving the upper cable sheath unaffected showing the cable does not propagate fire.

Context Plus XPS 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 XPS Special range is LPCB approved & certified to the following fire performance & emission tests:-

EN 50200:2015 PH30
- for 30 minutes at 830°C (up to +40°C) fire & mechanical shock applied every 5 minutes throughout the 30 minute test.

BS 6387:2013 CWZ
- C = for 180 minutes (3 hours) at 950°C (up to ±40°C) fire only.
- W = for 30 minutes at 650°C (up to ±40°C) fire with water spray applied for final 15 minutes.
- Z = for 15 minutes at 950°C (up to ±40°C) with fire & mechanical shock applied every 30 seconds throughout the test.

EN 60754-1:2014 Zero Halogen Emissions
Emission of less than 0.5% of corrosive & acid gas when under fire conditions.

EN 61034-2:2005:+A1:2013 Low Smoke Emission
Meeting at least 60% for residual light transmission while cable is under fire conditions.

The Fastest Fire Cable to Install

SAVE INSTALLATION TIME & MONEY

Fire Performance Cable

Features

- Easy to Install and Superb Working Flexibility
- Up to 12 Twists per metre for Data Protection
- Red, White & Black Outer Sheaths Available
- 0.50mm², 0.75mm², 1.0mm², 1.5mm², 2.5mm² & 4.0mm² Conductors
- 100m, 200m, 500m and Special Lengths Available
- Voltage Rating 300v/500v
- Suitable for many other applications where a Low Smoke & Zero Halogen cable is required
- Supplied on Robust Black Plastic Reels
- ETP1 High Grade Copper
- Core identification following BS 7629: 2015

Conductor Size	XPS Special with 0.80mm Drain Wire		
Red Sheath	**2 Cores**	**3 Cores**	**4 Cores**
1.00mm² = 1.13mm Dia	FSX-210DR	FSX-310DR	FSX-410DR
1.50mm²	FSX-215DR	FSX-315DR	FSX-415DR
2.50mm²	FSX-225DR	FSX-325DR	FSX-425DR
White Sheath	**2 Cores**	**3 Cores**	**4 Cores**
1.00mm² = 1.13mm Dia	FSX-210DW	FSX-310DW	FSX-410DW
1.50mm²	FSX-215DW	FSX-315DW	FSX-415DW
2.50mm²	FSX-225DW	FSX-325DW	FSX-425DW
Black Sheath	**2 Cores**		
1.00mm² = 1.13mm Dia	FSX-210DBK		
1.50mm²	FSX-215DBK		

* All cores are solid copper

Shown above is the Nominal cross sectional area (πr^2) in mm² and the diameter in mm of the copper conductor core.

4.00mm² Size & Other Sheath Colours are available

Manufactured in United Kingdom

10 YEARS WARRANTY

CE

LPCB Ref. No. 682e/01

Context Plus

XPS Special

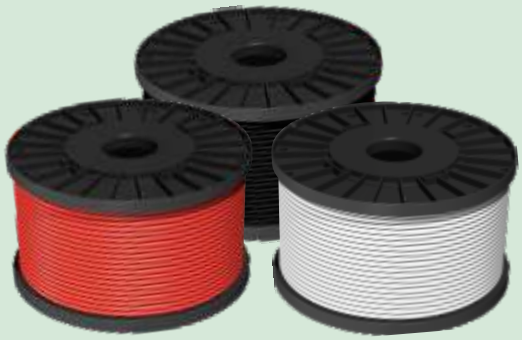
Fire Performance Cable

Low Smoke Zero Halogen emissions under fire conditions

The Fastest Fire Cable to Install

Context Plus XPS Special is available in a variety of multiple core combinations.

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

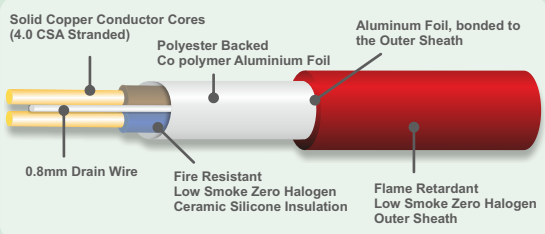
Recommended Cable Tray Fastening - Metal Tie, spacing every 1.5 metres.

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.



Specifications

LPCB Certified to	Fire Resistance Standard	BS EN 50200:2015 PH30
	Fire Resistance Standard	BS 6387:2013 CWZ
	Halogen Emission Standard	BS EN 60754-1:2014
	Low Smoke Standard	BS EN 61034-2:2005:+A1:2013
	Flame Retardancy	BS EN 60332-1-2:2004
Materials	Conductors	Plain Annealed Copper
	Core Installation	Fire Resistant Ceramic Silicone
	Outer Sheath	Low Smoke HFFR Materials
Insulation Colour Code to	Harmonised	BS 7629-1:2015
Working Voltage	Core to Core	500V
	Core to Drain	300V
Test Voltage		5,000V
Types	Outer Sheath Colours	Red, White or Black
	Number of Cores	2, 3 & 4 Core
	Inner Cores CSA - mm²	1.0, 1.5, 2.5 & 4.0mm² Nominal
Nominal Resistance Maximum (+/- 5%)	1.00mm² CSA	18.2 Ohms / 1 Km
	1.50mm² CSA	12.2 Ohms / 1 Km
	2.50mm² CSA	7.50 Ohms / 1 Km
Minimum Bend Radius	Radius = 6 x Diameter	
Operating Temp.	Minimum/Maximum	- 40°C to +90°C
Installation Temp.	Minimum/Maximum	0°C to +70°C
Voltage Drop (DC or Single Phase AC)	1.00mm² CSA	44 Ohms mV / A / m
	1.50mm² CSA	29 Ohms mV / A / m
	2.50mm² CSA	18 Ohms mV / A / m
Approximate Overall diameter	2 Core	
		1.00mm² / 6.7mm
		1.50mm² / 6.9mm
		2.50mm² / TBAmm
	3 Core	
		1.00mm² / TBAmm
		1.50mm² / TBAmm
		2.50mm² / TBAmm
	4 Core	
		1.00mm² / TBAmm
		1.50mm² / TBAmm
		2.50mm² / TBAmm
Approximate Weights	2 Core	
		1.00mm² 7.9 Kg / 100 m
		1.50mm² 8.6 Kg / 100 m
		2.50mm² 13.5 Kg / 100 m
		1.00mm² 9.3 Kg / 100 m
		1.50mm² 12.6 Kg / 100 m
		2.50mm² 18.5 Kg / 100 m
	4 Core	
		1.00mm² 10.3 Kg / 100 m
		1.50mm² 13.8 Kg / 100 m
		2.50mm² 21.5 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)	
		1.00mm² 15A
		1.50mm² 19A
		2.50mm² 27A
	Enclosed (DC or Single Phase AC)	
		1.00mm² 13A
		1.50mm² 16A
		2.50mm² 23A
Capacitance Rating	1.5mm² CSA	
	2 Core / 3 Core	Core to Core - Average 70 pF/m
	4 Core	Core to Core - Average 75 pF/m
	2.5mm² CSA	
	2 Core / 3 Core	Core to Core - Average 80 pF/m
	4 Core	Core to Core - Average 85 pF/m
Warranty	Period	10 Years from Date of Manufacture
	Identification	Date of Manufacture Marked On Cable

Manufactured in United Kingdom

LPCB Loss Prevention Certification Board — Assessed to ISO 9001 LPCB Ref. No. 682

Context Plus, Progress House, Newby Road, Hazel Grove,
Stockport, SK7 5DA, United Kingdom.Tel:+44(0)161 257 2541 Fax:+44(0)161 225 8817
Email: contextplus@xportsales.com
www.contextplus.co.uk

E&OE

CE

10 YEARS WARRANTY

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