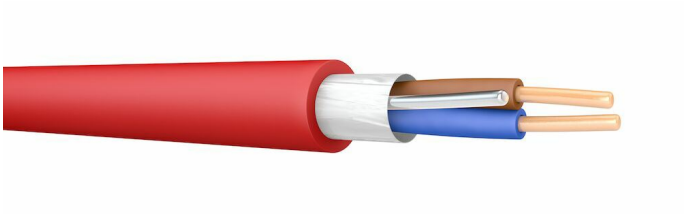
Prysmian

A Brand of Prysmian Group

FP PLUS®

Fire Resistant Cable. BS 7629-1. 300/500 V



Prysmian FP PLUS is the **'Enhanced'**, hard skin, dressable fire resistant cable most commonly needed for fire alarm and emergency lighting circuits

KEY APPLICATIONS

Fire detection and fire alarm systems for buildings.

Voice alarm systems and emergency voice communication.

Emergency and escape lighting.

Control circuits for fire safety and fire fighting systems.

Other essential service control circuits for "**Enhanced**" fire resistance.

FEATURES AND BENEFITS

Fully screened

Full size CPC in direct contact with screen

Tough Insudite® insulation

Low Smoke, Zero Halogen (LSOH®) sheath

Easy termination

BS 8519 "Control" - Category 2, Code of Practice Life Safety and Firefighting

BS 5839-1 "**Enhanced**", Code of Practice Fire Alarms

BS 5266-1 "**Enhanced**", Code of Practice Emergency Lighting

Manufactured under ISO 9001 Quality management systems

STANDARDS

BS 7629-1 - Enhanced 120	Construction Standard
BS EN 50200 - PH30	Fire Resistant Test - Flame & Shock - 30 Minutes
BS EN 50200 - PH60	Fire Resistant Test - Flame & Shock - 60 Minutes
BS EN 50200 - PH120	Fire Resistant Test - Flame & Shock - 120 Minutes
BS 8434-2	Fire Resistant Test - Flame, Shock & Water - 120 Minutes
BS 6387 Category CWZ	Fire Resistant Tests
BS EN 60332-1-2	Flame Propagation - Single Cable
BS EN 61034-2	Smoke emission
BS EN 60754-1	Corrosive and acid gas

CONSTRUCTION

Conductor material	Copper
Conductor surface	Bare
Core insulation material	Crosslinked polymer
Screen construction	Metalized foil
Screen	Yes
Screen material	Aluminium
Material outer sheath	Low smoke zero halogen
Cable shape	Round

APPLICATIONS PROPERTIES

Nominal voltage U0 [V]	300
Nominal voltage U [V]	500
Flame retardant	In accordance with BS EN 60332-1-2
Halogen free	Yes
Low smoke	Yes
Max. conductor temperature [°C]	70
Min. Operation temperature [°C]	-25
UV resistant	Yes
Outdoor installation	Yes
Min. Installation temperature [°C]	0
Max. Installation temperature [°C]	60
Bending radius (rule)	6D

COLOURS

Insulation:
Two Cores: Brown, Blue;

Three Cores: Brown, Black, Grey;

Four Cores: Blue, Brown, Black, Grey;

Sheath:

Red or White

CURRENT RATINGS

Refer to table 4D2 of BS 7671 Requirements for Electrical Installations. IET Wiring Regulations

CONTACT INFORMATION

Prysmian Cables & Systems Limited, Chickenhall Lane, Eastleigh, Hampshire, SO50 6YU, United Kingdom

uk.prysmiangroup.com

www.whyprysmian.co.uk

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TECHNICAL DATA

Number of cores	Nominal cross section conductor [mm²]	Conductor category	Nominal cross section of protective conductor [mm²]	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]
2	1.5	Class 1 = solid	1.5	9.2	115	12.1
2	1.5	Class 1 = solid	1.5	9.2	115	12.1
2	1.5	Class 1 = solid	1.5	9.2	115	12.1
2	1.5	Class 1 = solid	1.5	9.2	115	12.1
2	2.5	Class 1 = solid	2.5	11.5	175	7.41
2	2.5	Class 1 = solid	2.5	11.5	175	7.41
2	2.5	Class 1 = solid	2.5	11.5	175	7.41
2	2.5	Class 1 = solid	2.5	11.5	175	7.41
3	1.5	Class 1 = solid	1.5	11.7	175	12.1
3	1.5	Class 1 = solid	1.5	11.7	175	12.1
3	2.5	Class 1 = solid	2.5	12.7	225	7.41
4	1.5	Class 1 = solid	1.5	12.5	210	12.1
4	1.5	Class 1 = solid	1.5	12.5	210	12.1
4	2.5	Class 1 = solid	2.5	13.5	270	7.41
4	2.5	Class 1 = solid	2.5	13.5	270	7.41

LPCB®

www.redbooklive.com

Certificate of Product Approval

Certificate Number: 077g Issue: 08

PRYSMIAN CABLE & SYSTEMS LIMITED

Chickenhall Lane
Bishopstoke
Eastleigh
Hants
SO50 6YU
United Kingdom

is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

Product(s)

Cable Types as listed below:
FP Plus

See Certificate Appendix for details

Standard(s) (see Appendix for details)

BS 7629-1:2015 (ENHANCED 120)
BS 6387:2013 (CWZ)
EN 50200:2015 (Class PH120)
BS 8434-2:2003+A2:2009 (120 mins)
BS 5839-1:2013 (Clause 26.2e Enhanced)

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for LPCB	Karen Coull Certification Scheme Manager	01 September 2017 Date of Issue	13 October 2003 Date of First issue

UKAS PRODUCT CERTIFICATION 0007

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Appendix to Certificate No: 077g

PRYSMIAN CABLE & SYSTEMS LIMITED

Issue: 08

Product name						LPCB Ref. No.
FP Plus						077g/02
Nominal csa of conductor (mm^2)	Core Construction (excluding drain wire and earth)	BS 7629-1	BS 6387	EN 50200	BS 8434-2	BS 5839-1 Clause 26.2
1.5	2(1)	ENHANCED 120	C,W,Z	PH120	120min(3)	Enhanced(4)
2.5	2(1)	ENHANCED 120	C,W,Z	PH120	120min(3)	Enhanced(4)

Uo/U 300/500V

Notes:

1. Solid conductor only.
2. In meeting the requirements of BS 7629-1:2015, the FP Plus cables listed met the requirements for smoke density of EN 61034-2:2005+A1:2013, and achieved less than 0.5% HCl for the insulation, binder tape and outer covering when tested in accordance with EN 60754-1:2014 and in addition also met the fire resistance requirements of BS 6387:2013 Categories CWZ.
3. The duration of 120min when tested in accordance with BS 8434-2:2003+A2:2009 is achieved by 60min for the fire and mechanical shock phase and an additional 60min for the fire, mechanical shock and water phase.
4. The FP Plus cables listed conform to BS 7629-1:2015, met Class PH120 when tested in accordance with EN 50200:2015 and met a duration of 120min when tested in accordance with BS 8434-2: 2003+A2:2009 and hence met the requirements for an enhanced fire resistant cable as described in Clause 26.2 of BS 5839-1:2013.

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for LPCB	Karen Coull Certification Scheme Manager	01 September 2017 Date of Issue	13 October 2003 Date of First issue

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FP Plus						077g/03
Nominal csa of conductor (mm^2)	Core Construction (excluding drain wire and earth)	BS 7629-1	BS 6387	EN 50200	BS 8434-2	BS 5839-1 Clause 26.2
1.5	2, 3 & 4(1)	ENHANCED 120	C,W,Z	PH120	120min(3)	Enhanced(4)
2.5	2, 3 & 4(1)	ENHANCED 120	C,W,Z	PH120	120min(3)	Enhanced(4)

Uo/U 300/500V

Notes:

1. Solid conductor only.
2. In meeting the requirements of BS 7629-1:2015, the FP Plus Flex cables listed met the requirements for smoke density of EN 61034-2:2005+A1:2013, and achieved less than 0.5% HCl for the insulation, binder tape and outer covering when tested in accordance with EN 60754-1:2014 and in addition also met the fire resistance requirements of BS 6387:2013 Categories CWZ.
3. The duration of 120min when tested in accordance with BS 8434-2:2003+A2:2009 is achieved by 60min for the fire and mechanical shock phase and an additional 60min for the fire, mechanical shock and water phase.
4. The FP Plus cables listed conform to BS 7629-1:2015, met Class PH120 when tested in accordance with EN 50200:2015 and met a duration of 120min when tested in accordance with BS 8434-2:2003+A2:2009 and hence met the requirements for an enhanced fire resistant cable as described in Clause 26.2 of BS 5839-1:2013.

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BASEC
a kiwa company

Certificate No:
017/004/325

Issue No: 7

Certificate of Product Approval

Licensee:
Prysmian Cables & Systems Ltd

Chickenhall Lane, Eastleigh, SO50 6YU, Hampshire, United Kingdom

Factory:
Chickenhall Lane, Eastleigh, SO50 6YU, Hampshire, United Kingdom

Standard:
BS 7629-1:2015

Description:
Fire resistant screened cables

Details:
ENHANCED 120. Additionally tested to BS 6387:2013 Category CWZ.

Materials:
Insulation EI 5, Sheath LTS 3

Brand Name:
FPPLUS

Origin Mark:
PRYSMIAN (B) or (B) PRYSMIAN (FP PLUS)

Permissible Approval Marks:

BASEC name | BASEC roundel

Signed for and on behalf of BASEC Group Limited

Date: 06/08/2026

Date of original issue: 10/05/1993
Check BASEC website to verify validity.

BASEC Group Limited, Presley House, Presley Way, Milton Keynes, MK8 0ES, UK
Registered in England No. 13950143, Tel: +44 (0)1908 267300
Email: mail@basec.org.uk Web: www.basec.org.uk

UKAS PRODUCT CERTIFICATION 0004

Expiry date:
11/08/2029

BASEC
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Certificate No:
017/004/325

Issue No: 7

Type(s) and Range(s) of Approval

Table / Clause	Code Designation	Conductor Class	Range of Cores	Min Nominal Size -sqmm	Max Nominal Size - sqmm
2	N/A	Class 1	2	1.5	2.5
2	N/A	Class 1	3	1.5	2.5
2	N/A	Class 1	4	1.5	2.5

Signed for and on behalf of BASEC Group Limited

Date: 06/08/2026

Date of original issue: 10/05/1993
Check BASEC website to verify validity.

BASEC Group Limited, Presley House, Presley Way, Milton Keynes, MK8 0ES, UK
Registered in England No. 13950143, Tel: +44 (0)1908 267300
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UKAS PRODUCT CERTIFICATION 0004

Expiry date:
11/08/2029