

FP PLUS FLEX

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





Prysmian FP PLUS FLEX is the 'Enhanced', hard skin, dressable original 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
- For 2, 3 and 4 core 1.5mm² & 2.5mm² cables use FP PLUS See here FP PLUS® | Prysmian Group

ADDITIONAL TECHNICAL SUPPORT

- FAQ's- uk.prysmian.com/technical-area/faqs
- <u>Technical email</u> tech.info@prysmian.com
- Live Chat uk.prysmian.com/technical-area
- Technical hotline: 02380 295222

STANDARDS



BS 7629-1 - Enhanced 120 BS EN 50200 - PH30 BS EN 50200 - PH60 BS EN 50200 - PH120 BS 8434-2 BS 6387 Category CWZ BS EN 60332-1-2 BS EN 60332-1-2 BS EN 61034-2 BS EN 60754-1 GB00 FPPLUSELEX 20250331

LPCB

Construction Standard Fire Resistant Test - Flame & Shock - 30 Minutes Fire Resistant Test - Flame & Shock - 60 Minutes Fire Resistant Test - Flame & Shock - 120 Minutes Fire Resistant Test - Flame, Shock & Water - 120 Minutes Fire Resistant Tests Flame Propagation - Single Cable Smoke emission Corrosive and acid gas

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CONSTRUCTION

Conductor material Conductor surface Core insulation material Screen construction Screen Screen material Material outer sheath Cable shape

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

Copper

Crosslinked polymer

Low smoke zero halogen

Metallised foil

Copper, bare

Bare

Yes

Round

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

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TECHNICAL DATA

Number of cores	Nominal cross section conductor [mm²]	Conductor category	Colour outer sheath	Nominal cross section of protective conductor [mm ²]	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]	Embodied Carbon [CO2e kg/km]
2	1.5	Class 1 = solid	Red	1.5	9.2	120	12.1	354
2	2.5	Class 2 = stranded	White	2.5	11.1	175	7.41	1,000
2	4	Class 2 = stranded	White	4	12.3	235	4.61	1,249
3	4	Class 2 = stranded	Red	4	13.1	290	4.61	1,678
4	1.5	Class 1 = solid	Red	1.5	10.9	185	12.1	464
4	2.5	Class 2 = stranded	Red	2.5	13.2	270	7.41	1,814
4	2.5	Class 2 = stranded	Red	2.5	13.2	270	7.41	1,814
4	4	Class 2 = stranded	White	4	14.7	355	4.61	2,290

*The embodied carbon figure is taken from a single product in the range, for more information on how we calculate our embodied carbon figure visit here:<u>https://uk.prysmiangroup.com/embodied-carbon</u>