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 compliant with EI5 to BS EN 50363-5
- 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
- Designed to meet the requirements of London Underground LUL - S1085
- Manufactured under ISO 9001 Quality management systems

ADDITIONAL TECHNICAL SUPPORT

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

STANDARDS

BS 7629-1 - Enhanced 120	Construction Standard
BS EN 50200 - 30 minutes	Fire Resistant Test - Flame & Shock - 30 Minutes
BS EN 50200 - 60 minutes	Fire Resistant Test - Flame & Shock - 60 Minutes
BS EN 50200 - 120 minutes	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	Metallised 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

Copyright Prysmian, all rights reserved. You may not copy, reprint, or reproduce in any form the content, either wholly or in part, of this document without written consent of Prysmian. All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian. Any modification or alteration of products may cause different results. Prysmian reserves the right to amend the information within this document at any time without notice. For the most up to date information, please contact us. You agree that, in placing any order, you have not relied on the information set out in this document. Prysmian disclaims any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product to the maximum extent permissible by law.

TECHNICAL DATA

Number of cores	Nominal cross section conductor [mm²]	Conductor category	Colour outer sheath	Nominal cross section of protective conductor [mm²]	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	115	12.1	465
2	2.5	Class 1 = solid	Red	2.5	11.5	175	7.41	685
3	1.5	Class 1 = solid	Red	1.5	11.7	175	12.1	539
3	2.5	Class 1 = solid	Red	2.5	12.7	225	7.41	1,326
4	1.5	Class 1 = solid	Red	1.5	12.5	210	12.1	598
4	2.5	Class 1 = solid	Red	2.5	13.5	270	7.41	1,676

*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:https://uk.prysmiangroup.com/embodied-carbon