

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
- 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 61034-2
- BS EN 60754-1

- 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

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 U ₀ [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

Copyright Prysmian Group - 2021

You may not copy, reprint or reproduce in any form the content, either wholly or in part, of this Datasheet, without the written permission of the copyright owner.

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group : any modification or alteration afterwards of product may give different result. The information is believed to be correct at the time of issue.

Prysmian Group reserves the right to amend the information within this Datasheet without prior notice. This Datasheet may include inaccuracies, omissions of content and of information and is not contractually valid unless specifically authorised by Prysmian Group.

TECHNICAL DATA

Number of cores	Nominal cross section conductor [mm ²]	Conductor category	Nominal cross section of protective conductor [mm ²]	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