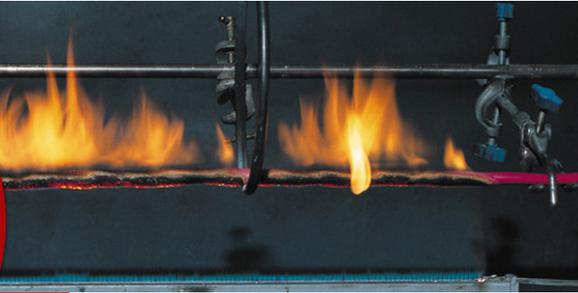


FP500[®]**Mechanically Protected
Cat 3 Fire Resistant Control Cable****300/500V**PROTECTOR
FP200

FP PLUS

FP600S

FP400

FP100

FP500

uk.prysmiangroup.com

Features and Benefits

- Meets the requirements of BS 8519 Code of Practice, Life Safety and Fire-fighting, for Cat 3 control cables used in single phase power circuits.
- Steel Wire Armour mechanical protection built in
- No need to provide additional mechanical protection saving installation time.
- No special tools or glands needed
 - Standard installation techniques saving time on installation.
- BW or CW gland:
 - Proprietary readily available accessories.
- Three core cable is:
 - Blue / Brown / Green Yellow.
- Three core with Green / Yellow is a full-size conductor.
 - No need for additional CPC or CPC sleeve.
- Red coloured outer sheath for easy identification.

What is FP500?

Prysmian FP500 is the cable required to satisfy CAT 3 Control cable requirements for BS 8519:2020 including where the control cable is to be used as a single phase power cable.

FP500 is steel wire armoured (SWA) which makes it the ideal choice when mechanical protection is required.

The steel wire armour ensures that there is no need for additional mechanical protection as it is already built into the cable.

Key Applications

LV life safety control panel supplies (single phase) including fire-fighting applications.

FP500 satisfies the requirements of BS 8519 for small single phase power cables without the need for additional mechanical protection.

Prysmian

A Brand of Prysmian Group

RELIABILITY
AT ITS CORE



FP

FIRE PERFORMANCE CABLES

FIRE PERFORMANCE CABLES



Fire Testing

Prysmian Group uses its extensive fire testing laboratory and facilities in the UK to develop cables for the increasing requirements of low fire hazard and fire-resistant cables in buildings.

With a team of fire testing engineers conducting 1,500 fire tests every year, FP500 passes the following tests “as certified in Prysmian Group Fire Test Lab”.

BS EN 50200 - Test resistance to fire and mechanical impact.

- 120 minutes test duration
- (830 +⁴⁰)°C propane flame
- Indirect impact using 25mm diameter steel bar

BS 8434-2 - Test resistance to fire and mechanical impact with water spray.

- 120 minutes test duration
- (930 +⁴⁰)°C propane flame
- Indirect impact using 25mm diameter steel bar.
- 60 mins flame and impact followed by 60 mins flame, impact and water spray

BS 8519 Annex D – Testing of Category 3 Cables of core sizes up to and including 4mm² cross sectional area.

- (930 +⁴⁰)°C propane flame
- Indirect impact using 25mm diameter steel bar
- 115 mins flame and impact followed by 5 mins flame, impact and water spray

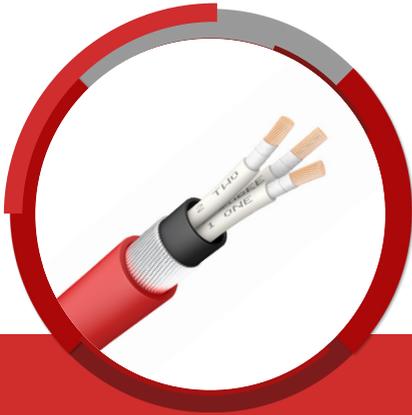
Prysmian

A Brand of Prysmian Group

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

uk.prysmiangroup.com





Installation

Circuit integrity is the critical task required by fire resistant cables which means the cable must keep working by maintaining voltage and current safely to keep the system working. The resistance to fire of the cable fixings, cable support system and any joints should be at least equivalent to the survival time of FP500 cable. The cable should either be fixed directly to the building structure or be installed such that they are enclosed in or carried upon cable management or support systems.

Copper or ferrous fixings are suitable but aluminium with a melting point 660°C, is not. As well as being non burning – any fixing selected should not impede the cable performance during a fire – to guarantee that the cable will carry on working. Choose BICON cable accessories by Prysmian Group which have been fire tested with their associated Prysmian FP cables.

How to specify

Mechanically protected fire resistant control cable assessed in accordance with BS 8519:2020 Clause 11, meeting 120 minute survival time in BS EN 50200:2015, BS 8434-2 and BS 8519:2020 Annex D. FP500 Red

Why do I need FP500?

- No need to provide additional mechanical protection which saves installation time.
- No need for special tools or glands.
- No need for additional CPC or CPC sleeve.

PHOTOGRAPHY: ANDREW HARRISON
 FP200
 FP PLUS
 FP600S
 FP400
 FP100
 FP500

FP500

uk.prysmiangroup.com

Prysmian

A Brand of Prysmian Group

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

uk.prysmiangroup.com



RELIABILITY AT ITS CORE

Copyright Prysmian Group - 2022. You may not copy, reprint or reproduce in any form the content, either wholly or in part, of this document, 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 document without prior notice. This document may include inaccuracies, omissions of content and of information and is not contractually valid unless specifically authorised by Prysmian Group.