FP200 GOLD®

Prysmian Fire Resistant Cable

BS 7629-1. 300/500 V.

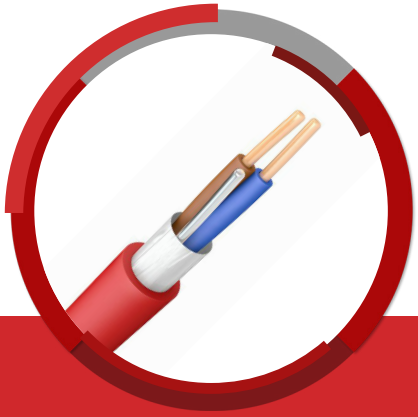
Standard fire resistant cable as defined by fire alarm and emergency lighting British Standards

Key Applications

- Fire detection and fire alarm systems for buildings
- Voice alarm systems and emergency voice communication
- Emergency and escape lighting
- Control circuits for life safety and fire-fighting systems
- Other essential service control circuits for "Standard" 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, Code of Practice Life Safety and Fire-fighting, "Control" Category 1
- BS 5839-1, Code of Practice Fire Alarms, "Standard" fire resistance
- BS 5266-1, Code of Practice Emergency Lighting, "Standard" fire resistance
- Manufactured under ISO 9001 Quality management systems



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 performance cables in buildings. With a team of fire testing engineers conducting 1,500 fire tests every year, FP200 Gold undergoes the following tests...

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

- 30, 60 and 120 minutes test duration
- (830 $+^{40}_{0}$)°C propane flame
- Indirect impact using 25mm diameter steel bar

BS EN 50200 Annex E - Test resistance to fire and mechanical impact with water spray...

- 30 minutes test duration
- (830 $+^{40}_{0}$)°C propane flame
- Indirect impact using 25mm diameter steel bar
- Final 15-minutes includes the water spray

What is FP200 Gold?

FP200 Gold is a "Standard" fire resistant cable specially designed to meet the requirements of BS 7629-1 for fire detection, fire alarm and emergency lighting systems in buildings. Prysmian Group invented the first extruded polymer fire resistant cables and FP200 Gold is the result of expertise and experience of our scientists and engineers. FP200 Gold is assessed and certified by independent accredited bodies, LPCB and BASEC.

Why do I need FP200 Gold?

Fire risk assessment must be carried out by law which means fire alarms and emergency lighting are usually needed for public buildings like factories, offices, schools and airports. FP200 Gold is a "Standard" fire resistant cable and the ideal choice for these buildings. Large and complex buildings like hospitals need Enhanced" fire resistant cable, Prysmian FP PLUS. FP200 Gold are dressable, aluminium screened cables, with hard, damage resistant INSUDITE® insulation system. It also features un-insulated tinned copper Circuit Protective Conductor (CPC). FP200 Gold always gives a quick and dependable installation and termination for your project providing confidence and reliability during commissioning and handover. FP200 Gold is the original solution and still the best.

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RELIABILITY AT ITS CORE

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Why INSUDITE®?

FP200 Gold features INSUDITE®, the special fire-resistant insulation system applied directly to copper conductors, provides physical strength and fire resistance properties. Developed in our UK laboratories, INSUDITE® first and foremost meets essential fire test requirements for fire alarms and emergency lighting circuits used in buildings everywhere.

- High performance extruded insulation system
- Tough and durable
  - Hard-skin thermoset materials
  - EI5 performance grade
- Stands up to a busy construction site:
  - Resists accidental nicks and cuts during termination
  - Unintended impacts
- No need for ferrules

Reduce the risk and save time

FP200 Gold has been designed and developed for improved safety but with some extra time saving features for installers and electricians.

- Dressability

FP200 Gold uses the original FP concept of a pliable aluminium tube construction. This allows installers to 'dress' cable to the desired cable route without 'spring-back' or 'memory'. It also allows straightening and reverse bending, which is particularly important in enclosed voids or cabinets, where final cable routes may change.

- Easy termination.

With the outer sheath bonded to the inner aluminium screen along its entire length, sheath removal is easy and reliable. With a light, shallow cut and a quick snap, the sheath is easily removed and comes away readily in a single piece, quickly exposing the cores.

- Less mess

Its compact, innovative construction eliminates the need for any additional chalk or powders inside the cable to help sheath removal and it has no additional glass-fibre tapes, reducing waste and mess.

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AP Clips

This traditional solution ensures a positive, whole cable and secure fixing that stops collapse and keeps circuit integrity when a building is on fire.

- 'All-round' or 'whole cable' fixing to secure it to the surface from every angle
- Tidy, single cable run, and fits neatly into multiple cable routes
- Made from BS EN 1652 copper strip
- Fire tested with Prysmian FP Cables
- Finished with a red or white LSOH coating
- Ideal for visible installations
- Meets the cable support requirements of wiring regulations and BS 5839-1

FP Firefix Double Clip

Firefix is the fast and easy way to install Prysmian FP cables directly to the structure of a building. Suitable for the Pulsa 700E gas nail fixing tool, Firefix works on steel, blockwork, composite steel decking and brick or concrete. Manufactured from corrosion resistant stainless steel finished with an intumescent LSOH coating in red or white to match your cable. Firefix meets the cable support requirements for British Standards including fire alarms, emergency lighting, plus life safety and fire-fighting systems: BS 5839-1, BS 5266-1 and BS 8519. Firefix features on the LUL APR, Product ID 1960.

Installation

Circuit integrity is the critical task required by fire resistant cables which means the cable MUST keep working by transmitting voltage and current safely to keep the system working. Therefore, all FP cables should be fixed securely to the building structure using non-combustible, permanent cable fixings that will not melt, burn, or perish causing the collapse of cables in a fire. Copper or ferrous fixings are suitable but aluminium, 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.

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