

FP100

Prysmian Fire Resistant Single Core Cable

BS 8592. 450/750 V



Prysmian FP100 is a single core fire resistant cable used in emergency lighting wiring systems and fire-fighting shaft normal lighting and monitoring systems.

Features & Benefits

- Ideal for rewiring existing steel conduit for upgrade to a fire resistant system.
- Robust insulation prevents damage during installation and termination.
- 1.5 mm² - 6 mm² sizes fire tested to BS 8519:2020 Annex D (Manufacturer's test reports available upon request)
- Low smoke, zero halogen and reduced flame propagation helps to protect life and property.
- Available in a range of colours for ease of circuit design and identification.
- Manufactured under ISO 9001 quality management systems in the UK for reliable, consistent excellence.
- 1.5 mm² - 6 mm² sizes fire tested to BS 8519:2020 Annex D (Manufacturer's test reports available upon request)

Key Applications

Emergency Lighting

Prysmian FP100 forms a key part of a steel conduit wiring system for BS 5266-1 compliant emergency lighting systems. Cables of this type are required to conform with BS 8592.

Fire-fighting shaft normal lighting and monitoring systems.

Fire-fighting shafts typically feature a stairwell and lobby which require lighting and monitoring systems. They are areas used by fire-fighters as part of the fire strategy and fire engineered solution for the building.

These applications "Fire-fighting shaft normal lighting" and "fire-fighting shaft monitoring systems" both require Category 3 control cables in accordance with BS 8519:2020 section 5, Table 1, "Recommended cable categories based on application".

Prysmian FP100 installed steel conduit is ideal for this application.

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RELIABILITY
AT ITS CORE





Prismian FP100 British Standards for specification and fire performance – third party certification by BASEC

BS 8592	Cable construction specification
IEC 60331-3	Fire Resistance
BS EN 50200 - PH120	Fire Resistance - Flame & shock, 120 min duration
BS 8434-2	Fire Resistance - Flame, shock & water, 120 min duration
BS EN 60332-1-2	Flame Propagation - Single cable
BS EN 61034-2	Smoke emission
BS EN 60754-1	Corrosive and acid gas emission

What is FP100?

Prismian FP100 is a fire-resistant low voltage, 450/750 V, 1.5mm² - 70mm², single core cable, for use in steel conduit, and meets the requirements of product specification BS 8592 and fire test IEC 60331-3.

Why do I need FP100?

When steel conduit systems are the only option available to distribute power or control signals to emergency circuits then Prismian FP100 is the ideal choice. FP100 has a tough composite insulation which requires no armouring or outer sheath to achieve its fire performance when installed in steel conduit.

What is IEC 60331-3?

IEC 60331-3 is the test for circuit integrity in the event of fire for single core cables with voltage rating 0.6/1kV in a metal enclosure and the test required by BS 5266-1 for emergency lighting wiring systems.

What is the Construction of Prismian FP100?

Conductor material	Copper
Conductor surface	Bare
Insulation materials	Mica and thermo-setting polymer

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