

# FP200 Gold<sup>®</sup>

THE ORIGINAL 'STANDARD' FIRE RESISTANT CABLE (300/500 V)



Certificate No 077f  
Certificate No 077k



## CABLE DESCRIPTION

### Conductor

Plain annealed copper. Solid (1.0 - 2.5 mm<sup>2</sup>) or stranded circular conductors (4.0 mm<sup>2</sup>) to meet the requirements of BS EN 60228 class 1 or class 2.

### Insulation

High performance, damage resistant Insudite™ to meet BS EN 50363-5, Type EI5.

### Sheath

Robust thermoplastic low smoke, zero halogen and reduced flame propagation outer sheath. Standard colours white and red with bespoke colours available to special order.

### Overall metallic screen and CPC

Polyester backed laminated aluminium tape bonded to outer sheath to provide overall screen. In contact with full sized, tinned annealed copper circuit protective conductor and laid-up with the cores to provide automatic screen earthing.

### Key Applications

- > Fire detection and fire alarm systems for buildings
- > Voice alarm systems
- > Emergency voice communication
- > Emergency and escape lighting
- > Other essential service control circuits for 'standard' fire resistance

### British Standards

- > BS7629-1 Construction of screened fire resistant cables
- > BS EN 50200 PH30, PH60, PH120 and ANNEX E
- > BS5839-1, 6, 8 & 9 'standard' fire resisting cable
- > BS5266-1 'standard' fire resisting cable
- > BS8519 Category 1 control cable
- > London Underground 1.085 Approved Product Register (Section 12)

### Core identification

Harmonised - standard

- ○ brown-blue
- ○ ○ brown-black-grey
- ○ ○ ○ blue-brown-black-grey

Non harmonised - to special order

- red-black
- ○ red-yellow-blue
- ○ ○ black-red-yellow-blue



Temperature Range  
-20 to +70°C



Bending Radius  
Fixed r=6D



Mechanical Impact  
Medium



Fire Performance  
BS EN 60332-1-2  
BS EN 60332-3-24



Flexibility  
Rigid



Halogen Free  
BS EN 50267-2-1



Low Smoke Emissions  
BS EN 61034-2



Fire Resistance  
BS6387 Category CWZ  
BS EN 50200 PH30 & PH60  
BS EN 50200 Annex E

Nominal cross sectional area mm <sup>2</sup>	Conductor Construction no/mm	Mean overall diameter mm	Approximate cable weight kg/km	Maximum conductor resistance at 20°C Ω/km	Current rating DC or single phase AC Enclosed Amps	Current rating DC or single phase AC Clipped direct Amps	Volt drop DC or single phase AC mV/A/m	Recommended accessories Colour - White or Red		
								LSOH <sup>+</sup> fixing clips	Nylon LSOH <sup>+</sup> gland	FP Firefix™ fixing clips

#### Two core

1.0	1/1.13	8.0	80	18.1	13	15	44	AP7	251/GL2520	UFPNF02
1.5	1/1.38	8.0	100	12.1	16.5	19.5	29	AP7	251/GL2520	UFPNF01 UFPNF02
2.5	1/1.78	9.5	160	7.4	23	27	18	AP9	251/GL2520	-
4.0	7/0.85	12.0	240	4.6	30	36	11	AP11	252/GL2520	-

#### Three core

1.0	1/1.13	8.0	95	18.1	13	15	44	AP7	251/GL2520	UFPNF02
1.5	1/1.38	8.5	120	12.1	16.5	19.5	29	AP8	251/GL2520	UFPNF04
2.5	1/1.78	10.5	180	7.4	23	27	18	AP10	252/GL2520	-
4.0	7/0.85	12.5	255	4.6	30	36	11	AP12	252	-

#### Four Core

1.0	1/1.13	9.0	115	18.1	13	15	44	AP8	251/GL2520	UFPNF04
1.5	1/1.38	10.0	150	12.1	16.5	19.5	29	AP9	251/GL2520	-
2.5	1/1.78	12.0	225	7.4	23	27	18	AP11	252/GL2520	-
4.0	7/0.85	13.5	320	4.6	30	36	11	AP13	254	-

#### Notes to table

- > Recommended clip spacing 300 mm horizontal and 400mm vertical using only metallic fixings.
- > FP200 Gold<sup>+</sup> is also available in multi-core versions (7,12 & 19 core)
- > Minimum recommended installation temperature 0°C. Installation methods for current rating in accordance with BS7671/IET Wiring Regulations.
- > The tabulated ratings are based upon a 30°C ambient temperature and 70°C operating temperature. For other ambient temperatures or where cables are grouped together, appropriate rating factors should be applied.

#### Temperature ratings factor

Ambient Temperature°C	25	30	35	40	45	50
Rating factor	1.03	1.00	0.94	0.87	0.79	0.71

#### Rating Factors for Groupings

Number of circuits	2	3	4	5	6	7
Rating factor	0.80	0.70	0.65	0.60	0.57	0.54

#### Sales enquiries

Tel: 0845 767 8345  
Fax: 023 8029 5465

#### Overseas sales enquiries

Tel: +44 (0) 23 5029 5481  
Fax: +44 (0) 23 8029 5465

#### UK Technical helpline

Tel: 0845 767 8345  
Fax: 023 8029 5002

#### Overseas technical

Tel: +44 (0) 23 8029 5481  
Fax: +44 (0) 23 8029 5002

#### Prysmian Cables & Systems Limited

Chickenhall Lane  
Eastleigh  
Hampshire  
SO50 6YU  
United Kingdom  
www.prysmiangroup.co.uk

#### Information hotline

Tel: +44 (0) 23 8029 5029  
Fax: +44 (0) 23 8029 5437



Should you have any concerns about unsafe, non-approved or counterfeit cable, please contact the ACI

Tel: 020 8946 6978  
Email: report@aci.org.uk



For further information please see our dedicated FP Cables website: [www.fpcables.co.uk](http://www.fpcables.co.uk)



A brand of the  
**Prysmian**  
Group