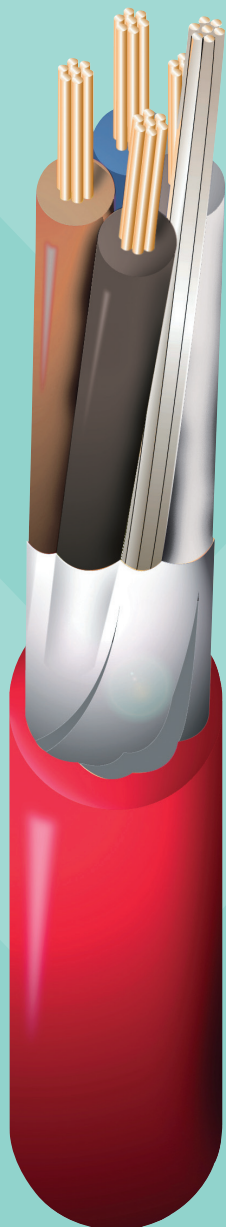


# FP200 Flex™

## BS7629-1



### Key Applications

### Conductor

### Insulation

### Core Identification

### Screen

### Sheath

## FIRE RESISTANT CABLES



Certificate No 077a/03

- > Fire detection and fire alarm systems for buildings, voice alarm systems, emergency lighting systems and other essential service circuits. In addition to approvals to BS7629-1 from BSEC and LPCB, FP 200 Flex™ has received LPCB approval against the fire test requirement of BS6387 Category CWZ
- > Plain annealed copper stranded circular conductor complying with BS EN 60228 class 2
- > High performance damage resistant Insdite™ British Standard Type E15.
- >
  - ● brown-blue
  - ● brown-black-grey
  - ● blue-brown-black-grey
- > Aluminium/Polyester tape screen in contact with full size tinned annealed copper stranded circuit protective conductor
- > Robust thermoplastic LSOH® sheath
- > Colour - White or Red. Other colours to special order
- > For external exposure the use of white sheath is recommended



**Temperature Range**  
-25 to + 70°C



**Bending Radius**  
Fixed r=4D



**Mechanical Impact**  
Medium



**Fire Performance**  
BS EN 60332-1-2  
BS EN 50266-2-4



**Flexibility**  
Semi Flexible



**Halogen Free**  
BS EN 50267-2-1



**Low Smoke Emissions**  
BS EN 61034-2



**Fire Resistance**  
BS 6387 Category CWZ  
BS EN 50200 PH30

Ref: FP200Flex/10/09



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# Prysmian FP200 FLEX™ Fire Resistant Cable

Nominal cross sectional area mm <sup>2</sup>	Conceptual construction no./mm	Mean overall diameter mm	Approximate cable weight kg/km	Maximum conductor resistance at 20°C ohms/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	
								LSOH fixing clips <sup>1</sup>	Nylon LSOH gland <sup>2</sup>
<b>Two Core</b>									
1.5	7/0.53	8.2	99	12.1	16.5	19.5	29	AP7	251/GL2520
2.5	7/0.67	9.6	145	7.4	23	27	18	AP9	251/GL2520
<b>Three Core</b>									
1.5	7/0.53	8.7	120	12.1	16.5	19.5	29	AP8	251/GL2520
2.5	7/0.67	10.2	176	7.4	23	27	18	AP10	252/GL2520
<b>Four Core</b>									
1.5	7/0.53	9.7	149	12.1	16.5	19.5	29	AP9	251/GL2520
2.5	7/0.67	11.4	218	7.4	23	27	18	AP11	252/GL2520

## Notes to table

<sup>1</sup> Recommended clip spacing 300mm horizontal and 400mm vertical

<sup>2</sup> Brass glands may be used as an alternative

Minimum recommended installation temperature 0°C

Installation methods for current rating in accordance with BS7671/IEE 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, the appropriate rating factors should be applied.

## Temperature Rating Factors

Ambient Temperature °C	25	30	35	40	45	50	55	60
Rating factor	1.03	1.00	0.94	0.87	0.79	0.71	0.61	0.50

## Rating factors for Grouping

Number of circuits	2	3	4	5	6	7	8	9
Rating factor	0.80	0.70	0.65	0.60	0.57	0.54	0.52	0.50