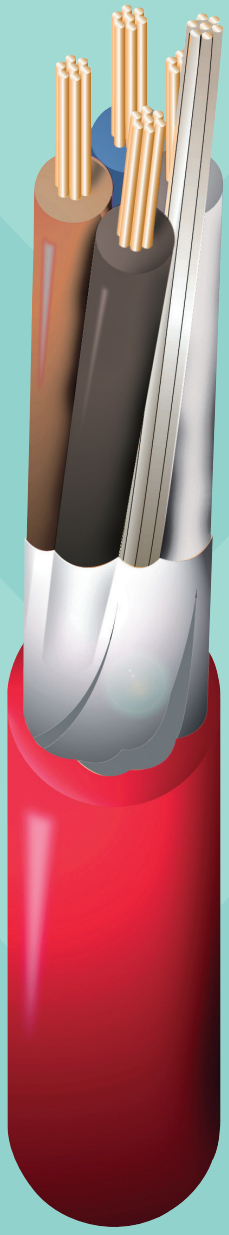
FP200 Flex™

BS7629-1

FIRE RESISTANT CABLES

Certificate No 077a/03



Key Applications

> 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 BASEC and LPCB, FP 200 Flex™ has received LPCB approval against the fire test requirement of BS6387 Category CWZ

Conductor

> Plain annealed copper stranded circular conductor complying with BS EN 60228 class 2

Insulation

> High performance damage resistant Insdite™ British Standard Type E15.

Core Identification

> o o brown-blue
> o o o brown-black-grey
> o o o o blue-brown-black-grey

Screen

> Aluminium/Polyester tape screen in contact with full size tinned annealed copper stranded circuit protective conductor

Sheath

> 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 Catergory CWZ
BS EN 50200 PH30

Ref: FP200Flex/10/09

Prysmian Cables & Systems Limited, Sales office, Chickenhall Lane, Eastleigh, Hants, SO50 6YU, UK
Commercial Enquiries, Tel 0845 767 8345, Fax: 023 8029 5465
www.fpcables.co.uk

Prysmian FP200 FLEX™ Fire Resistant Cable

Nominal cross sectional area mm²	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 [1]	Nylon LSOH gland [2]
Two Core									
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
Three Core									
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
Four Core									
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

[1] Recommended clip spacing 300mm horizontal and 400mm vertical
[2] 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 togethor, 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

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