

FP200 Gold[®] Multicore

BS7629-1:2008

FIRE RESISTANT CABLES



Certificate No 077a
Certificate No 077b



Key Applications

- > Fire detection and fire alarm systems for buildings
- Voice alarm systems
- Emergency lighting
- Other essential service circuits

Conductor

- > Plain annealed copper solid (1.0 - 1.5 mm²) or stranded (2.5 mm²) circular conductor complying with BS EN 60228 class 1 or class 2.

Insulation

- > High Performance damage resistant Insudite™.
- British Standard Type E15.

Core Identification

- > 7-12-19 cores white with printed number.

Screen

- > Laminated aluminium tape screen bonded to sheath and in contact with tinned annealed copper 0.5mm² drain wire which provides automatic screen earthing.

Sheath

- > Robust thermoplastic LSOH sheath
- Colour - White or Red. Other colours to special order
- For external exposure the use of a white sheath is recommended.



Temperature Range
-20 to +70°C



Bending Radius
Fixed r=6D



Mechanical Impact
Medium



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



Flexibility
Rigid



Halogen Free
BS EN 50267-2-1



Low Smoke Emissions
BS EN 61034-2



Fire Resistance
BS 6387 Category CWZ
BS EN 50200 PH30
BS EN 50200 Annex E

ef: FP200Gold_Multi/01/09



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Prysmian FP200 Gold[®] Multicore Cable

Nominal cross sectional area mm	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	
								¹ LSOH [®] Fixing Clips	² Nylon LSOH Gland
Seven core									
1.0	1/1.13	12.1	196	18.1	13*	15*	44	AP12	252
1.5	1/1.38	13.3	249	12.1	16.5*	19.5*	29	AP13	252
2.5	7/0.67	16.3	387	7.4	23*	27*	18	AP16	254
Twelve core									
1.5	1/1.38	17.5	399	12.1	16.5	19.5*	29	AP18	254
2.5	7/0.67	21.7	637	7.4	23*	27*	18	AP22	255
Nineteen core									
1.5	1/1.38	20.5	588	12.1	16.5	19.5*	29	AP20	255
2.5 ³	7/0.67	25.6	949	7.4	23*	27*	18	AP25	-

Notes to table

¹ Recommended clip spacing 300 mm and 400 mm vertical.

² Brass gland may be used as an alternative.

³ This size is not included in the latest (2008) edition of BS7629-1 and is therefore manufactured to BS7629-1:1997

Installation methods for current rating in accordance with BS7671/IEE Wiring Regulations.

Minimum recommended installation temperature 0°C.

*The tabulated rating is as a two core and may be used where its number of cores carrying current does not exceed the square root of the total number of cores.

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 following 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	