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 BASEC 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 InsditeTM
 British Standard Type E15.
- > oobrown-blue
 - o o o brown-black-grey
 - ooo 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



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



Semi Flexible



Halogen Free BS EN 50267-2-1



BS EN 61034-2



Fire Resistance BS 6387 Catergory CWZ BS EN 50200 PH30



Prysmian FP200 FLEX™ Fire Resistant Cable

Nominal cross sectional	Conceptual construction	Mean overall diameter	Approximate cable weight	Maximum conductor resistance	Current rating DC or single	Current rating DC or single		Recommended accessories				
area	n a /mama		-	at 20°C	phase AC Enclosed	phase AC clipped direct		LSOH fixing clips ¹	Nylon LSOH gland ²			
mm²	no./mm	mm	kg/km	ohms/km	Amps	Amps	mV/A/m	'	I			
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

Ref: FP200Flex/10/09

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									
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	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	



 $^{^{1}}_{2}\mbox{Recommended clip spacing 300mm horizontal and 400mm vertical}$

Brass glands may be used as an alternative