

FP200 Flex™



BS7629-1

CABLE CHARACTERISTICS



Temperature Range
-25 to +70°C



Bending Radius
Fixed r=4D



Mechanical Impact
Medium



Fire Performance
BSEN60332-1
BSEN50265-2-4



Flexibility
Semi Flexible



Halogen Free
BSEN50267-2-1



Low Smoke Emissions
BSEN50268-2



Fire Resistant
BS6387 Category CWZ
EN50200 PH30
BS8434-1 30 min

KEY APPLICATIONS

Fire detection and fire alarm systems for buildings. FP200 Flex is BASEC and LPCB approved against BS7629-1 and additionally complies with the requirements of BS5839-1:2002 Clause 26.2 for standard fire resisting cables. Emergency lighting or other essential service circuits

CABLE DESCRIPTION

CONDUCTOR

Plain annealed copper stranded circular conductor complying with BS6360 Class 2

INSULATION

High Performance damage resistant Insudite™

Core identification:

- ○ brown-blue
- ○ ○ brown-black-grey
- ○ ○ ○ blue-black-red-yellow

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



Nominal cross sectional area mm ²	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

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 together, the appropriate rating factors should be applied.

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Temperature rating factors:

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

Correction factors for groupings:

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