FP200 GOLD®

Fire Resistant Cable. BS 7629-1. 300/500 V

Prysmian FP200 GOLD is a **'Standard'** fire resistant cable as defined by fire alarm and emergency lighting British Standards

KEY APPLICATIONS

Fire detection and fire alarm systems for buildings.

Voice alarm systems and emergency voice communication.

Emergency and escape lighting.

Control circuits for life safety and fire fighting systems.

Other essential service control circuits for "**Standard**" fire resistance.

FEATURES AND BENEFITS

- Fully screened
- Full size CPC in direct contact with screen
- Tough Insudite® insulation compliant with EI5 to BS EN 50363-5
- Low Smoke, Zero Halogen (LSOH®) sheath
- Easy termination
- Designed to meet the requirements of London Underground LUL - S1085
- BS 8519 "Control" - Category 1, Code of Practice Life Safety and Firefighting
- BS 5839-1 "**Standard**", Code of Practice Fire Alarms
- BS 5266-1 "**Standard**", Code of Practice Emergency Lighting
- Manufactured under ISO 9001 Quality management systems

ADDITIONAL TECHNICAL SUPPORT

- FAQ's- uk.prysmian.com/technical-area/faqs
- Technical email - tech.info@prysmian.com
- Live Chat - uk.prysmian.com/technical-area
- Technical hotline: 02380 295222

STANDARDS

BS 7629-1 - Standard 30 (2x1.0mm² and 7 cores & above)	Construction Standard
BS 7629-1 - Standard 60 (2, 3 & 4 cores, 1.5mm² to 4mm²)	Construction Standard
BS EN 50200 - 30 minutes	Fire Resistant Test - Flame & Shock - 30 Minutes
BS EN 50200 - 60 minutes	Fire Resistant Test - Flame & Shock - 60 Minutes
BS EN 50200 - ANNEX E	Fire Resistant Test - Flame, Shock & Water - 30 Minutes
BS 6387 Category CWZ	Fire Resistant Tests
BS EN 60332-1-2	Flame Propagation - Single Cable
BS EN 61034-2	Smoke emission
BS EN 60754-1	Corrosive and acid gas

CONSTRUCTION

Conductor material	Copper
Conductor surface	Bare
Core insulation material	Crosslinked polymer
Screen construction	Metallised foil
Screen	Yes
Screen material	Aluminium
Material outer sheath	Low smoke zero halogen
Cable shape	Round

APPLICATIONS PROPERTIES

Nominal voltage U0 [V]	300
Nominal voltage U [V]	500
Flame retardant	In accordance with BS EN 60332-1-2
Halogen free	Yes
Low smoke	Yes
Max. conductor temperature [°C]	70
Min. Operation temperature [°C]	-25
UV resistant	Yes
Outdoor installation	Yes
Min. Installation temperature [°C]	0
Max. Installation temperature [°C]	60
Bending radius (rule)	6D

COLOURS

Insulation: Two Cores: Brown, Blue;
Three Cores: Brown, Black, Grey;
Four Cores: Blue, Brown, Black, Grey;
7 to 19 Cores: White (with printed numbers);
Sheath: Red or White.

CURRENT RATINGS

Refer to table 4D2 of BS 7671 Requirements for Electrical Installations. IET Wiring Regulations

TECHNICAL DATA

Number of cores	Nominal cross section conductor [mm²]	Conductor category	Colour outer sheath	Nominal cross section of protective conductor [mm²]	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]	Embodied Carbon [CO2e kg/km]
2	1	Class 1 = solid	Red	1	7.8	79	18.1	339
2	1.5	Class 1 = solid	Red	1.5	7.9	91	12.1	346
2	2.5	Class 1 = solid	Red	2.5	9.5	140	7.41	562
2	4	Class 2 = stranded	Red	4	11.6	205	4.61	881
3	1.5	Class 1 = solid	Red	1.5	8.5	120	12.1	443
3	2.5	Class 1 = solid	Red	2.5	10.4	180	7.41	697
3	4	Class 2 = stranded	Red	4	12.3	260	4.61	1,091
4	1.5	Class 1 = solid	Red	1.5	10	150	12.1	532
4	2.5	Class 1 = solid	Red	2.5	11.9	225	7.41	822
4	4	Class 2 = stranded	Red	4	13.5	320	4.61	1,293
7	1.5	Class 1 = solid	Red	1	13.5	250	12.1	1,014
7	2.5	Class 2 = stranded	Red	1	16.3	395	7.41	1,574
12	1.5	Class 1 = solid	Red	1	17.7	410	12.1	1,562
12	2.5	Class 2 = stranded	Red	1	22	640	7.41	2,485
19	1.5	Class 1 = solid	Red	1	21	590	12.1	2,046

*The embodied carbon figure is taken from a single product in the range, for more information on how we calculate our embodied carbon figure visit here:https://uk.prysmiangroup.com/embodied-carbon