A Brand of Prysmian Group

2x1.5 SOL CU INSUDITE AL LSOH 0.5kV FP200 RED

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 Fire Safety Performance of Materials Stations and Tunnel Infrastructure
- 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

STANDARDS





BS 7629-1 - Standard 30 (2x1.0mm² and 7 cores & above) BS 7629-1 - Standard 60 (2, 3 & 4 cores, 1.5mm² to 4mm²)

BS EN 50200 - PH30 BS EN 50200 - PH60 BS EN 50200 - ANNEX E BS 6387 Category CWZ BS EN 60332-1-2

BS EN 61034-2 BS EN 60754-1 Construction Standard

Fire Resistant Test - Flame & Shock - 30 Minutes Fire Resistant Test - Flame & Shock - 60 Minutes Fire Resistant Test - Flame, Shock & Water - 30 Minutes

Fire Resistant Tests

Flame Propagation - Single Cable

Smoke emission
Corrosive and acid gas

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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 6D Bending radius (rule)

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 2
Nominal cross section conductor [mm²] 1.5

Conductor category Class 1 = solid

Nominal cross section of protective conductor [mm²] 1.5

Nominal outer diameter [mm] 7.9

Cable weight [kg/km] 91

Conductor resistance at 20° C [Ohm/km] 12.1

*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