# Prysmian

## A Brand of Prysmian Group

# 4x1.5 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 (2x1.0mm<sup>2</sup> and 7 cores & above) BS 7629-1 - Standard 60 (2, 3 & 4 cores, 1.5mm<sup>2</sup> to 4mm<sup>2</sup>) 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 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

# A Brand of Prysmian Group

#### CONSTRUCTION

Conductor material Conductor surface Core insulation material Screen construction Screen Screen material Material outer sheath Cable shape

#### **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

Copper

Crosslinked polymer

Low smoke zero halogen

Metallised foil

Aluminium

Round

Bare

Yes

#### **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	4
Nominal cross section conductor [mm <sup>2</sup> ]	1.5
Conductor category	Class 1 = solid
Nominal cross section of protective conductor [mm <sup>2</sup> ]	1.5
Nominal outer diameter [mm]	10
Cable weight [kg/km]	150
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: <a href="https://uk.prysmiangroup.com/embodied-carbon">https://uk.prysmiangroup.com/embodied-carbon</a>

Copyright Prysmian Group - 2022 You may not copy, reprint or reproduce in any form the content, either wholly or in part, of this Datasheet, without the written permission of the copyright owner. All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group : any modification or alteration afterwards of product may give different result. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend the information within this Datasheet without prior notice. This Datasheet may include inaccuracies, omissions of content and of information and is not contractually valid unless specifically authorised by Prysmian Group. Property of Prysmian Group UK - Uncontrolled when printed Prysmian Cables & Systems Limited, Chickenhall Lane, Eastleigh, Hampshire, SO50 6YU, United Kingdom