

# 2x4.0 CU MICA XLPE LSOH SWA LSOH 1kV FP400 BLK

Fire Resistant Armoured Cable. BS 7846-F2. 600/1000 V





Prysmian FP400 is a tough, armoured cable with low fire hazard properties and limited fire resistance

# **KEY APPLICATIONS**

Designed primarily for clipped directly to a surface, on tray, in basket or in free air. Fire resistant, low fire hazard armoured power and control cable that can also be laid direct in ground or in ducts in free draining soil, or embedded in concrete.

Use for fire performance circuits in public buildings.

# **FEATURES AND BENEFITS**

- Fire resistant to BS 7846 F2
- Robust armour provides cable with added mechanical protection
- Reduced flame propagation
- Low smoke and corrosive gas emissions Low Smoke, Zero Halogen (LSOH®)
- Manufactured under ISO 9001 Quality management systems
- Designed to meet the requirements of London Underground LUL S1085 Fire Safety Performance of Materials Stations and Tunnel Infrastructure
- Multi core steel wire armour

# **STANDARDS**





BS 7846 - Category F2 BS 6387 Category CWZ BS EN 61034-2 BS EN 60754-1

BS EN 60332-1-2

BS EN 60332-3-24

Construction Standard
Fire Resistant Tests
Smoke emission
Corrosive and acid gas

Flame Propagation - Single Cable

Flame Propagation - Multiple (bunched) Cables - Category C

# **CONSTRUCTION**

Conductor material Conductor surface Core insulation material Armouring/reinforcement

Material inner sheath Material outer sheath

Cable shape

Armourina

Copper Bare Mica + XLPE Wire

> Low smoke zero halogen Low smoke zero halogen

Round



# **APPLICATIONS PROPERTIES**

Nominal voltage U0 [V] 600 Nominal voltage U [V] 1,000

Flame retardant In accordance with BS EN 60332-3-24

Halogen free Low smoke Yes Max. conductor temperature [°C] 90 Min. Operation temperature [°C] -25 UV resistant Yes Outdoor installation Yes Min. Installation temperature [°C] 0 Max. Installation temperature [°C] 80 Underground installation Yes Bending radius (rule) 8D

# **COLOURS**

Insulation: Two Cores: Brown, Blue; Three Cores: Brown, Black, Grey; Four Cores: Blue, Brown, Black, Grey;

Five Cores: Blue, Brown, Black, Grey, Green/Yellow;

7 to 37 Cores: White (with printed numbers);

Sheath:Black

# **CURRENT RATINGS**

Refer to table 4E4 of BS 7671 Requirements for Electrical Installations. IET Wiring Regulations

Note: Where a conductor operates at a temperature exceeding 70°C it shall be ascertained that the equipment connected to the conductor is suitable for the conductor operating temperature

# **TECHNICAL DATA**

Number of cores	2
Nominal cross section conductor [mm²]	4
Shape of conductor	Round
Nominal diameter of armouring wire [mm]	0.9
Nominal diameter under armour [mm]	11.4
Nominal outer diameter [mm]	15.8
Cable weight [kg/km]	480
Conductor resistance at 20° C [Ohm/km]	4.61

\*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>

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