

## 6243B

LSOH® Flat Wiring Cable with Bare CPC. BS 7211. 300/500 V



Prysmian 6243B is a flat triple core Low Smoke, Zero Halogen (LSOH®) cable designed for installation as clipped direct, on tray or in basket and also buried within plaster or embedded in walls

Three cores with bare CPC

### KEY APPLICATIONS

Suitable for fixed installation in dry or damp premises on walls, boards or trays, in channels or embedded in plaster particularly for situations in which low emission smoke and acid gas is required.

### FEATURES AND BENEFITS

- Low Smoke, Zero Halogen (LSOH®)
- Manufactured under ISO 9001 Quality management systems

### ADDITIONAL TECHNICAL SUPPORT

- [FAQ's](https://uk.prysmiangroup.com/technical-area/faqs) - [uk.prysmiangroup.com/technical-area/faqs](https://uk.prysmiangroup.com/technical-area/faqs)
- [Technical email](mailto:tech.info@prysmiangroup.com) - [tech.info@prysmiangroup.com](mailto:tech.info@prysmiangroup.com)
- [Live Chat](https://uk.prysmiangroup.com/technical-area) - [uk.prysmiangroup.com/technical-area](https://uk.prysmiangroup.com/technical-area)
- Technical hotline: 02380 295222

### STANDARDS



**BS 7211**

**BS EN 60332-1-2**

**BS EN 61034-2**

**BS EN 60754-1**

Construction Standard

Flame Propagation - Single Cable

Smoke emission

Corrosive and acid gas

### CONSTRUCTION

Conductor material

Copper

Conductor surface

Bare

Core insulation material

XLPE

Material outer sheath

Low smoke zero halogen

Cable shape

Flat

## 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]	90
Min. Operation temperature [°C]	-25
UV resistant	Yes
Min. Installation temperature [°C]	0
Max. Installation temperature [°C]	80
Bending radius (rule)	4D (Minor axis)

## COLOURS

Insulation: Brown, Black, Grey

Sheath: White

## CURRENT RATINGS

Refer to table 4E2 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	Nominal cross section conductor [mm²]	Conductor category	Nominal cross section of protective conductor [mm²]	Cable height approx. [mm]	Cable width approx. [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]	Embodied Carbon [CO2e kg/km]
3	1.5	Class 1 = solid	1	4.7	11.4	99	12.1	457

\*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>