

# 6242B

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



Prysmian 6242B is a flat twin 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 Two 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- 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 7211 BS EN 60332-1-2 BS EN 61034-2 BS EN 60754-1

# CONSTRUCTION

Conductor material Conductor surface Core insulation material Material outer sheath Cable shape Construction Standard Flame Propagation - Single Cable Smoke emission Corrosive and acid gas

Copper Bare XLPE Low smoke zero halogen 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, Blue Alternatively, Brown, Brown (for 2x1.0 and 2x1.5 only) 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

#### SUSTAINABILITY COMMITMENT

At Prysmian, sustainability is at the heart of our mission. By using sustainable processes and materials we are at the forefront of green innovation, promoting resource efficiency in our operations. We also partner with other sustainable companies to advocate responsible practices across our supply chain to reflect our commitment to a greener future. Discover how we are driving the future of sustainable cable and system solutions: <u>Sustainability in the UK | Prysmian</u>.





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# **TECHNICAL DATA**

Number of cores	Nominal cross section conductor [mm <sup>2</sup> ]	Conductor category	Nominal cross section of protective conductor [mm <sup>2</sup> ]	Cable height approx. [mm]	Cable width approx. [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]	Embodied Carbon [CO2e kg/km]
2	1.5	Class 1 = solid	1	4.7	8.6	73	12.1	171
2	2.5	Class 1 = solid	1.5	5.3	9.9	110	7.41	241
2	4	Class 2 = stranded	1.5	6.1	11.4	145	4.61	366
2	6	Class 2 = stranded	2.5	6.8	13.1	205	3.08	513
2	10	Class 2 = stranded	4	8.4	16.8	310	1.83	830
2	16	Class 2 = stranded	6	9.6	19.5	465	1.15	1,194

\*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:<u>https://uk.prysmiangroup.com/embodied-carbon</u>