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A Brand of Prysmian Group

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.prysmiangroup.com/technical-area/faqs
- Technical email tech.info@prysmiangroup.com
- Live Chat 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

Cable shape

Construction Standard

Flame Propagation - Single Cable

Smoke emission Corrosive and acid gas

CONSTRUCTION

Conductor material
Conductor surface
Core insulation material
Material outer sheath

Copper Bare XLPE

Low smoke zero halogen

Flat

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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

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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]
2	1.5	Class 1 = solid	1	4.7	8.6	73	12.1	337
2	2.5	Class 1 = solid	1.5	5.3	9.9	110	7.41	509
2	4	Class 2 = stranded	1.5	6.1	11.4	145	4.61	746
2	6	Class 2 = stranded	2.5	6.8	13.1	205	3.08	1,105
2	10	Class 2 = stranded	4	8.4	16.8	310	1.83	1,818
2	16	Class 2 = stranded	6	9.6	19.5	465	1.15	2,793

^{*}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