# **Prysmian**

## A Brand of Prysmian Group

## 3x1.5 CU XLPE AL LSOH 0.5kV LSX WHT

LSX. LSOH Screened Wiring Cable. BS 8436. 300/500 V



Prysmian LSX® is a Low Smoke, Zero Halogen (LSOH®) and flame retardant cable developed to address specific needs of the modern building services and systems

### **KEY APPLICATIONS**

Low voltage circuits typically lighting and power distribution, in buildings.

Suitable for clipped, surface, tray and void installation.

Low smoke, zero halogen and flame retardant.

Ideal for all non-emergency circuits in public buildings.

Fully screened design provides EMC protection for signal clarity.

## **FEATURES AND BENEFITS**

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

## **STANDARDS**



BS 8436 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

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### CONSTRUCTION

Conductor materialCopperConductor surfaceBareCore insulation materialXLPEScreen constructionMetallised foilScreenYes

Screen material Aluminium

Material outer sheath Low smoke zero halogen

Cable shape Round

## **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] -15 **UV** resistant Yes Min. Installation temperature [°C] 0 Max. Installation temperature [°C] 60 6D Bending radius (rule)

### **COLOURS**

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

Sheath: White

### **CURRENT RATINGS**

Refer to table 4D2 of BS 7671 Requirements for Electrical Installations. IET Wiring Regulations

Note: When this cable is used to comply with BS 7671: 2018, clause 522.6.204(i), current rating and protective device limitations shall comply with the requirements of BS 8436.

### **TECHNICAL DATA**

Number of cores 3
Nominal cross section conductor [mm²] 1.5

Conductor category Class 2 = stranded

Nominal cross section of protective conductor [mm²] 1.5

Nominal outer diameter [mm] 10.2

Cable weight [kg/km] 135

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>

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