# **Prysmian**

## A Brand of Prysmian Group

## 3x2.5 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

GB00\_LSX\_20231020 P 1

# **Prysmian**

## A Brand of Prysmian Group

### 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] 2.

Conductor category Class 2 = stranded

Nominal cross section of protective conductor [mm²] 2.5

Nominal outer diameter [mm] 11.1

Cable weight [kg/km] 180

Conductor resistance at 20° C [Ohm/km] 7.41

\*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>

Copyright Prysmian Group - 2022 You may not copy, reprint or reproduce in any form the content, either wholly or in part, of this Datasheet, without the written permission of the copyright owner. All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend the information within this Datasheet without prior notice. This Datasheet may include inaccuracies, omissions of content and of information and is not contractually valid unless specifically authorised by Prysmian Group. Property of Prysmian Group UK - Uncontrolled when printed Prysmian Cables & Systems Limited, Chickenhall Lane, Eastleigh, Hampshire, SO50 6YU. United Kinodom

P 2