

# **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

## **ADDITIONAL TECHNICAL SUPPORT**

- FAQ's- uk.prysmian.com/technical-area/faqs
- <u>Technical email</u> tech.info@prysmian.com
- Live Chat uk.prysmian.com/technical-area
- Technical hotline: 02380 295222

## **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



## CONSTRUCTION

Conductor material Conductor surface Core insulation material Screen construction Screen Screen material Material outer sheath Cable shape

#### Copper Bare XLPE Metallised foil Yes Aluminium Low smoke zero halogen 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
Bending radius (rule)	6D

## 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.

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## **TECHNICAL DATA**

Number of cores	Nominal cross section conductor [mm²]	Conductor category	Colour outer sheath	Nominal cross section of protective conductor [mm <sup>2</sup> ]	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]	Embodied Carbon [CO2e kg/km]
2	1.5	Class 2 = stranded	White	1.5	9.9	110	12.1	591
2	2.5	Class 2 = stranded	White	2.5	10.4	150	7.41	759
2	4	Class 2 = stranded	White	4	12.1	200	4.61	981
3	1.5	Class 2 = stranded	White	1.5	10.2	135	12.1	732
3	2.5	Class 2 = stranded	White	2.5	11.1	180	7.41	886
3	4	Class 2 = stranded	White	4	12.3	245	4.61	1,156
4	1.5	Class 2 = stranded	White	1.5	11.1	160	12.1	841
4	2.5	Class 2 = stranded	White	2.5	12.3	220	7.41	1,037
4	4	Class 2 = stranded	White	4	14.3	305	4.61	1,373

\*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>