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
- Technical email - tech.info@prysmian.com
- Live Chat - uk.prysmian.com/technical-area
- Technical hotline: 02380 295222

STANDARDS

BS 8436	Construction Standard
BS EN 60332-1-2	Flame Propagation - Single Cable
BS EN 61034-2	Smoke emission
BS EN 60754-1	Corrosive and acid gas

CONSTRUCTION

Conductor material	Copper
Conductor surface	Bare
Core insulation material	XLPE
Screen construction	Metallised foil
Screen	Yes
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
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.

TECHNICAL DATA

Number of cores	Nominal cross section conductor [mm²]	Conductor category	Colour outer sheath	Nominal cross section of protective conductor [mm²]	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:https://uk.prysmiangroup.com/embodied-carbon