

UK's Largest Cable Manufacturer

Standard Wiring Cables

Low Voltage (300/500 V)



LSX - Screened Low Smoke Wiring Cable Made in the UK by Prysmian

Design

- > Copper stranded conductor
- > XLPE insulation
- > Laminated aluminium tape screen bonded to sheath and in contact with full size tinned annealed copper circuit protective conductor (CPC)
- > Robust LSOH sheath

Typical Applications

- > Electronic points of sales equipment
- > General Low Smoke wiring in public buildings e.g. shopping centres, nursing homes and hospitals
- > Computer suites, air conditioning/ ventilation installations - where electrical screening is required
- > Thin partition walls to meet nail penetration test

Max Ratings @ 230Volts LSX in single phase

2 core 1.5mm²: clipped direct=24 Amps, enclosed=22 Amps
2 core 2.5mm²: clipped direct=33 Amps, enclosed=30 Amps
2 core 4.0mm²: clipped direct=44 Amps, enclosed=40 Amps
3 core 1.5mm²: clipped direct=24 Amps, enclosed=22 Amps

Overall Diameters

2 core 1.5mm² = 9.4mm
2 core 2.5mm² = 10.4mm
2 core 4.0mm² = 11.6mm
3 core 1.5mm² = 10.1mm

Features and Benefits

- > **LSX includes an un-insulated CPC equal in size to the phase conductor and in contact with the full 360° aluminium screen** - This provides you with automatic screen earthing.
- > **LSX is lightweight and compact in design** - the benefit is a cost savings through smaller, lighter fixings, supports and cable tray or basket
- > **Can replace armoured cables where mechanical protection is not needed** - giving cheaper and quicker installation.
- > **LSX is LSOH** - Used as a direct replacement to Twin and Earth will give extra protection in public places.
- > **Manufactured in the UK** – Quick accessible technical support. Reduced carbon footprint through a short supply chain.



Temperature Range
-20 to +90°C



Bending Radius
Fixed r=6D



Mechanical Impact
Medium



Fire Performance
BS EN 60332-1-2
BS EN 50266-2-4



Flexibility
Rigid



Halogen Free
BS EN 50267-2-1
BS EN 50267-2-3



Low Smoke Emissions
BSEN50268-2

LSX - Screened Low Smoke Wiring Cable - Key Applications

For use in the work place and public buildings

Small Power - Ring Main & Radial Circuits



Ring main or radial circuit designs utilising optimum circuit breaker range.

Installation Note: XLPE 90°C rated conductor gives higher current ratings and improved design options.

Cables Installed in Thin Walls and Partitions



LSX contains an earthed metallic screen, which is in contact with a full size, un-insulated circuit protective conductor.

This provides an earth fault path for the fault current if the cable is penetrated by a nail (or similar), and when connected to a suitably selected protective device offers electrical protection by this connection of the circuit.

Lighting - HPS, Tungsten & Fluorescent



Installation note: LSX can be easily refitted to accommodate merchandising floor area changes, making it suitable for HIGH CHURN environments.

EMC and Clean Power Supply



> For computer suites where electrical screening is required

Fixed Applications



Product Codes

RS Components Number	Prysmian Code	Prysmian Cable	Core Colour	Size	Pack Size
4681956	DLSX02..015WTEB	LSX	BROWN/ BLUE	2 Core x 1.5mm ²	100M
4681962	DLSX02..025WTEB	LSX	BROWN/ BLUE	2 Core x 2.5mm ²	100M
4681984	DLSX02..040WTEB	LSX	BROWN/ BLUE	2 Core x 4.0mm ²	100M
4681990	DLSX03..015WTEB	LSX	BROWN/BLACK/ GREY	3 Core x 1.5mm ²	100M