# Prysmian

A Brand of Prysmian Group

# 3x2.5 CU XLPE LSOH SWA LSOH 1kV BS6724 BLK

LSOH Armoured Cable. BS 6724. 600/1000 V



Prysmian BS 6724 is a Low Smoke, Zero Halogen (LSOH®) industrial wiring cable for interconnection of systems, control circuitry and power circuits

# **KEY APPLICATIONS**

Designed primarily for clipped directly to a surface, on tray, in basket or in free air. These cables can also be laid direct in ground or in ducts in free draining soil, or embedded in concrete

The design of Prysmian BS 6724 is particularly robust and is well suited to areas at risk of mechanical damage.

# FEATURES AND BENEFITS

- Low Smoke, Zero Halogen (LSOH®)
- Manufactured under ISO 9001 Quality management systems
- Single core aluminium wire armour
- Multi core steel wire armour

## **STANDARDS**



BS 6724 BS EN 60332-1-2 BS EN 60332-3-24 BS EN 61034-2 BS EN 60754-1

#### **CONSTRUCTION**

Conductor material Conductor surface Core insulation material Armouring/reinforcement Armouring Material inner sheath Material outer sheath Cable shape Construction Standard Flame Propagation - Single Cable Flame Propagation - Multiple (bunched) Cables - Category C Smoke emission Corrosive and acid gas

Copper Bare XLPE Wire Yes Low smoke zero halogen Low smoke zero halogen Round

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#### **APPLICATIONS PROPERTIES**

Nominal voltage U0 [V]	600
Nominal voltage U [V]	1,000
Flame retardant	In accordance with BS EN 60332-3-24
Halogen free	Yes
Low smoke	Yes
Max. conductor temperature [°C]	90
Min. Operation temperature [°C]	-25
UV resistant	Yes
Outdoor installation	Yes
Min. Installation temperature [°C]	0
Max. Installation temperature [°C]	80
Underground installation	Yes
Bending radius (rule)	8D

# COLOURS

Insulation: Single Core: Brown or Blue; Two Cores: Brown, Blue; Three Cores: Brown, Black, Grey; Four Cores: Blue, Brown, Black, Grey; Five Cores: Blue, Brown, Black, Grey, Green/Yellow; 7 to 37 Cores: White (with printed numbers); Sheath: Black

## **CURRENT RATINGS**

Refer to table 4E3 and 4E4 of BS 7671 Requirements for Electrical Installations. IET Wiring Regulations

Note: Where a conductor operates at a temperature exceeding 70°C it shall be ascertained that the equipment connected to the conductor is suitable for the conductor operating temperature

## **TECHNICAL DATA**

Number of cores	3
Nominal cross section conductor [mm <sup>2</sup> ]	2.5
Shape of conductor	Round
Nominal diameter of armouring wire [mm]	0.9
Nominal diameter under armour [mm]	8.7
Nominal outer diameter [mm]	12.7
Cable weight [kg/km]	345
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>

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