

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 Standard

Flame Propagation - Single Cable

Flame Propagation - Multiple (bunched) Cables - Category C

Smoke emission

Corrosive and acid gas

CONSTRUCTION

Conductor material

Copper

Conductor surface

Bare

Core insulation material

XLPE

Armouring/reinforcement

Wire

Armouring

Yes

Material inner sheath

Low smoke zero halogen

Material outer sheath

Low smoke zero halogen

Cable shape

Round

APPLICATIONS PROPERTIES

| | |
|------------------------------------|-------------------------------------|
| Nominal voltage U ₀ [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 ²] | 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: <https://uk.prysmiangroup.com/embodied-carbon>