

624*B SURFACE WIRING, TWIN AND EARTH - LSZH CABLE



APPLICATION

Domestic wiring cable. This cable has a bare protective conductor plus 1, 2 or 3 cores. Used for fixed installations in dry or damp premises clipped direct to surface, on trays or in free air. Where mechanical protection is required, it can be laid in conduit or trunking.

CABLE STANDARDS

BS 7211
IEC 60754-1, IEC 60754-2
IEC 61034
BS EN/IEC 60332-1-2
BASEC Approved

CONSTRUCTION

Conductor

Upto 4mm²: Class 1 Solid Annealed Compacted Circular Copper Conductor

From 4mm²: Class 2 Stranded Plain Annealed Compacted Circular Copper Conductor

Insulation: Cross Linked Polyethylene (XLPE)

Sheath: Low Smoke Zero Halogen (LSZH)

Sheath Colour: White

CHARACTERISTICS

Voltage Rating: 300/500 Volts

Temperature Limits: -25°C to +90°C

Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION

1 Core: Brown or Blue
2 Core: Brown Blue
3 Core: Brown Black Grey

Should not be installed at temperatures below 0°C or above +40°C

624*B SURFACE WIRING, TWIN AND EARTH - LSZH CABLE - DIMENSIONS

| CCC CODE | CONDUCTOR SIZE (MM ²) | STRANDING (MM) | NUMBER OF CORES | CPC SIZE (MM ²) | WEIGHT (KG/KM) | OVERALL DIAMETER (MM) |
|--------------|-----------------------------------|----------------|-----------------|-----------------------------|----------------|-----------------------|
| 6241B1/5 | 1.5 | 1/1.38 | 1 | 1 | 51 | 4.65 X 5.80 |
| 6241B1/5 | 1.5 | 1/1.38 | 1 | 1 | 51 | 4.65 X 5.80 |
| 6242B1WH | 1 | 1/1.13 | 2 | 1 | 69 | 4.10 X 8.65 |
| 6242B1/5WH | 1.5 | 1/1.38 | 2 | 1 | 85 | 4.55 X 8.80 |
| 6242B1/5BRBR | 1.5 | 1/1.38 | 2 | 1 | 85 | 4.55 X 8.80 |
| 6242B2/5WH | 2.5 | 1/1.78 | 2 | 1.5 | 120 | 5.40 X 10.50 |
| 6242B4WH | 4 | 7/0.85 | 2 | 1.5 | 175 | 6.10 X 12.00 |
| 6242B6WH | 6 | 7/1.04 | 2 | 2.5 | 240 | 6.90 X 13.80 |
| 6242B10WH | 10 | 7/1.35 | 2 | 4 | 390 | 8.40 X 18.50 |
| 6242B16WH | 16 | 7/1.70 | 2 | 6 | 560 | 9.70 X 20.60 |
| 6243B1WH | 1 | 1/1.13 | 3 | 1 | 82 | 4.60 X 10.20 |
| 6243B1/5WH | 1.5 | 1/1.38 | 3 | 1 | 115 | 5.75 X 11.45 |
| 6243B2/5WH | 2.5 | 1/1.78 | 3 | 1.5 | 170 | 5.30 X 12.80 |
| | | | | | | |

624*B TWIN AND EARTH - CARRYING CAPACITY (AMPERES) & VOLTAGE DROP

| NOMINAL CROSS SECTIONAL AREA MM ² | REFERENCE METHOD A (IN CONDUIT IN WALL) | REFERENCE METHOD C (CLIPPED DIRECT) | VOLTAGE DROP MV/A/M |
|--|---|-------------------------------------|---------------------|
| 1 | 11 | 15.5 | 44 |
| 1.5 | 14.5 | 20 | 29 |
| 2.5 | 20 | 27 | 18 |
| 4 | 26 | 37 | 11 |
| 6 | 34 | 47 | 7.3 |
| 10 | 46 | 65 | 4.4 |
| 16 | 61 | 87 | 2.8 |

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS.

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.