

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

CONSTRUCTION

Conductor

Upto 2.5mm²: 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 (AMPS) & 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.

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