

# BS 7211 624-B Twin and Earth LSZH Cable

**multicomp** PRO

**RoHS  
Compliant**



## Application

Installation in walls, on boards and in channels or embedded in plaster. For installations where fire, smoke emissions and toxic fumes create a potential risk to life and equipment.

## Characteristics

Voltage Rating (Uo/U)	: 300/500V
Temperature Rating	: -5°C to +70°C
Minimum Bending Radius	: 3 × overall diameter
Core Identification	: Brown, Blue
Sheath Colour	: White

## Cable Standards

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

## Construction

### Conductor

1mm<sup>2</sup> to 2.5mm<sup>2</sup>: Class 1 Solid conductor according to BS EN 60228 (previously BS 6360)

4mm<sup>2</sup> to 10mm<sup>2</sup>: Class 2 Stranded conductor according to BS EN 60228 (previously BS 6360)

### Circuit Protection Conductor (Earth)

1mm<sup>2</sup> to 2.5mm<sup>2</sup>: Class 1 Solid copper conductor

4mm<sup>2</sup> to 16mm<sup>2</sup>: Class 2 Stranded copper conductor

### Insulation

XLPE (Cross-Linked Polyethylene) Type GP8

### Sheath

LSZH (Low Smoke Zero Halogen) Type LTS2

These product range are available on reels of 100m or per metre

## Dimensions

Part Number	No. of Cores	Nominal Cross Sectional Area mm <sup>2</sup>	Cross Sectional Area of Circuit Protective Conductor mm <sup>2</sup>	Nominal Weight kg/km
PP002170	2	1	1	65
PP002171	2	1.5	1	76
PP002172	2	2.5	1.5	108
PP002173	2	4	1.5	148
PP002174	2	6	2.5	208
PP002175	2	10	4	317

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## Conductors

### Class 1 Copper Conductor for Single and Multi-Core Cables

Nominal Cross Sectional Area mm <sup>2</sup>	Maximum Resistance of Conductor at 20°C
	Plain Wires Ω/km
1	18.1
1.5	12.1
2.5	7.41
4	4.61
6	3.08
10	1.83

## Electrical Characteristics

### Current Carrying Capacity and Voltage Drop

Nominal Cross Sectional Area mm <sup>2</sup>	Reference Method A* (In Conduit In Wall) Amps	Reference Method C* (Clipped Direct) Amps	Voltage Drop mv/A/m
1	11.5	16	44
1.5	14.5	20	29
2.5	20	27	18
4	26	37	11
6	32	47	7.3
10	44	64	4.4

The above table is in accordance with 4D5 of the 17th Edition of IEE Wiring Regulations.

### Note

A\* For full installation method refer to Table 4A2 Installation Method 2 but for flat twin and earth cable of the 17th Edition of IEE Wiring Regulations.

C\* For full installation method refer to Table 4A2 Installation Method 20 but for flat twin and earth cable of the 17th Edition of IEE Wiring Regulations.

## Part Number Table

Description	Cable Length	Part Number
Unscreened BS 7211 624-B Twin & Earth LSZH Cable, 2 Core, 1mm <sup>2</sup> , White	100m or per metre	PP002170
Unscreened BS 7211 624-B Twin & Earth LSZH Cable, 2 Core, 1.5mm <sup>2</sup> , White		PP002171
Unscreened BS 7211 624-B Twin & Earth LSZH Cable, 2 Core, 2.5mm <sup>2</sup> , White		PP002172
Unscreened BS 7211 624-B Twin & Earth LSZH Cable, 2 Core, 4mm <sup>2</sup> , White		PP002173
Unscreened BS 7211 624-B Twin & Earth LSZH Cable, 2 Core, 6mm <sup>2</sup> , White		PP002174
Unscreened BS 7211 624-B Twin & Earth LSZH Cable, 2 Core, 10mm <sup>2</sup> , White		PP002175

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