

## 624\*Y SURFACE WIRING, TWIN AND EARTH - PVC 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

Flame propagation to BS EN 50265  
BSEN 50363-3  
BS6004

### CONSTRUCTION

#### Conductor

**Upto 2.5mm<sup>2</sup>:** Class 1 Solid Annealed  
Compacted Circular Copper Conductor

**From 4mm<sup>2</sup>:** Class 2 Stranded Plain Annealed  
Compacted Circular Copper Conductor

**Insulation:** PVC

**Sheath:** PVC

**Sheath Colour:** Grey

### CHARACTERISTICS

**Voltage Rating:** 300/500 Volts

**Temperature Rating:** -5°C to +70°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 +60°C

## 624\*Y SURFACE WIRING, TWIN AND EARTH - PVC CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM <sup>2</sup> )	STRANDING (MM)	NUMBER OF CORES	CPC SIZE (MM <sup>2</sup> )	WEIGHT (KG/KM)	OVERALL DIAMETER (MM)
6241Y1	1	1/1.13	1	1	49	4.15 X 5.40
6241Y1/5	1.5	1/1.37	1	1	51	4.65 X 5.80
6242Y1	1	1/1.13	2	1	69	4.10 X 8.65
6243Y1	1	1/1.13	3	1	92	4.60 X 10.20
6242Y1/5	1.5	1/1.38	2	1	85	4.55 X 8.80
6242Y1/5BRBR	1.5	1/1.38	2	1	85	4.55 X 8.80
6242Y2/5	2.5	1/1.77	2	1.5	120	5.40 X 10.50
6243Y1/5	1.5	1/1.37	3	1	115	4.75 X 11.45
6243Y2/5	2.5	1/1.77	3	1.5	170	5.45 X 13.40
6242Y4	4	7/0.85	2	1.5	17	6.10 X 12.00
6242Y6	6	7/1.04	2	2.5	24	6.90 X 13.80
6242Y10	10	7/1.35	2	4	390	8.40 X 18.50
6242Y16	16	7.1.70	2	6	560	9.70 X 20.60

## 624\*Y TWIN AND EARTH - CARRYING CAPACITY (AMPS) & VOLTAGE DROP

NOMINAL CROSS SECTIONAL AREA MM <sup>2</sup>	REFERENCE METHOD A (IN CONDUIT IN WALL)	REFERENCE METHOD C (CLIPPED DIRECT)	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
16	57	85	2.8

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

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