

## 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  
BASEC Approved

### CONSTRUCTION

#### Conductor

**Upto 4mm<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
- 2 Core:**  Brown  Brown
- 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 (AMPERES) & 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.

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.