

## 6243Y

PVC Flat Wiring Cable with Bare CPC. BS 6004. 300/500 V



Prysmian 6243Y is a flat PVC insulated and sheathed low voltage wiring cable typically used for small power and lighting applications

Three cores with bare CPC

### KEY APPLICATIONS

Suitable for fixed installation in industrial, commercial and domestic premises, installation in walls, on boards, in conduit, trunking or embedded in plaster for small power and lighting applications

### FEATURES AND BENEFITS

- Ideal for ring and radial circuits
- Ideal for lighting and switching circuits
- Easy to strip
- Manufactured under ISO 9001 Quality management systems

### ADDITIONAL TECHNICAL SUPPORT

- [FAQ's](https://uk.prysmian.com/technical-area/faqs) - uk.prysmian.com/technical-area/faqs
- [Technical email](mailto:tech.info@prysmian.com) - tech.info@prysmian.com
- [Live Chat](https://uk.prysmian.com/technical-area) - uk.prysmian.com/technical-area
- Technical hotline: 02380 295222

### STANDARDS



**BS 6004**  
**BS EN 60332-1-2**

Construction Standard  
Flame Propagation - Single Cable

### CONSTRUCTION

|                          |                          |
|--------------------------|--------------------------|
| Conductor material       | Copper                   |
| Conductor surface        | Bare                     |
| Core insulation material | Polyvinyl chloride (PVC) |
| Material outer sheath    | Polyvinyl chloride (PVC) |
| Cable shape              | Flat                     |

## APPLICATIONS PROPERTIES

|                                    |                                    |
|------------------------------------|------------------------------------|
| Nominal voltage U0 [V]             | 300                                |
| Nominal voltage U [V]              | 500                                |
| Flame retardant                    | In accordance with BS EN 60332-1-2 |
| Max. conductor temperature [°C]    | 70                                 |
| Min. Operation temperature [°C]    | -15                                |
| Min. Installation temperature [°C] | 0                                  |
| Max. Installation temperature [°C] | 60                                 |
| Bending radius (rule)              | 4D (Minor axis)                    |

## COLOURS

Insulation: Brown, Black, Grey  
 Sheath: Grey

## CURRENT RATINGS

Refer to table 4D5 of BS 7671 Requirements for Electrical Installations. IET Wiring Regulations

## SUSTAINABILITY COMMITMENT

At Prysmian, sustainability is at the heart of our mission. By using sustainable processes and materials we are at the forefront of green innovation, promoting resource efficiency in our operations. We also partner with other sustainable companies to advocate responsible practices across our supply chain to reflect our commitment to a greener future. Discover how we are driving the future of sustainable cable and system solutions: [Sustainability in the UK | Prysmian](#).



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## TECHNICAL DATA

| Number of cores | Nominal cross section conductor [mm <sup>2</sup> ] | Conductor category | Nominal cross section of protective conductor [mm <sup>2</sup> ] | Cable height approx. [mm] | Cable width approx. [mm] | Cable weight [kg/km] | Conductor resistance at 20° C [Ohm/km] | Embodied Carbon [CO <sub>2</sub> e kg/km] |
|-----------------|--|--------------------|--|---------------------------|--------------------------|----------------------|--|---|
| 3               | 1  | Class 1 = solid    | 1  | 4.5                       | 10.7                     | 78                   | 18.1                                   | 196                                       |
| 3               | 1.5  | Class 1 = solid    | 1  | 4.7                       | 11.7                     | 105                  | 12.1                                   | 252                                       |

\*The embodied carbon figure is taken from a single product in the range, for more information on how we calculate our embodied carbon figure visit here: <https://uk.prysmiangroup.com/embodied-carbon>