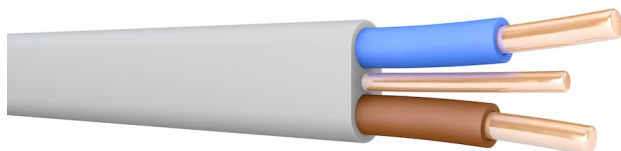


# 6242Y

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



Prysmian 6242Y is a flat PVC insulated and sheathed low voltage wiring cable typically used for small power and lighting applications. Two 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.prysmiangroup.com/technical-area/faqs) - uk.prysmiangroup.com/technical-area/faqs
- [Technical email](mailto:tech.info@prysmiangroup.com) - tech.info@prysmiangroup.com
- [Live Chat](https://uk.prysmiangroup.com/technical-area) - uk.prysmiangroup.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                     |

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## APPLICATIONS PROPERTIES

|                                    |                                    |
|------------------------------------|------------------------------------|
| Nominal voltage U <sub>0</sub> [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)                    |

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## COLOURS

Insulation: Brown, Blue

Alternatively, Brown, Brown (for 2x1.0 and 2x1.5 only)

Sheath: Grey

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## CURRENT RATINGS

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

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## TECHNICAL DATA

| Number of cores | Nominal cross section conductor [mm²] | Conductor category | Nominal cross section of protective conductor [mm²] | Cable height approx. [mm] | Cable width approx. [mm] | Cable weight [kg/km] | Conductor resistance at 20° C [Ohm/km] | Embodied Carbon [CO2e kg/km] |
|-----------------|---------------------------------------|--------------------|-----------------------------------------------------|---------------------------|--------------------------|----------------------|----------------------------------------|------------------------------|
| 2               | 1                                     | Class 1 = solid    | 1                                                   | 4.5                       | 8.2                      | 58                   | 18.1                                   | 277                          |
| 2               | 1.5                                   | Class 1 = solid    | 1                                                   | 4.7                       | 8.6                      | 74                   | 12.1                                   | 360                          |
| 2               | 2.5                                   | Class 1 = solid    | 1.5                                                 | 5.3                       | 9.9                      | 110                  | 7.41                                   | 545                          |
| 2               | 4                                     | Class 2 = stranded | 1.5                                                 | 6.1                       | 11.4                     | 155                  | 4.61                                   | 798                          |
| 2               | 6                                     | Class 2 = stranded | 2.5                                                 | 6.8                       | 13.1                     | 215                  | 3.08                                   | 1,169                        |
| 2               | 10                                    | Class 2 = stranded | 4                                                   | 8.4                       | 16.8                     | 350                  | 1.83                                   | 1,952                        |
| 2               | 16                                    | Class 2 = stranded | 6                                                   | 9.6                       | 19.5                     | 520                  | 1.15                                   | 2,970                        |

\*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>