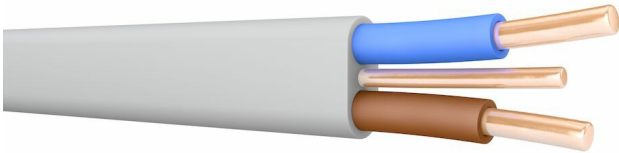


6242Y

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

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 U ₀ [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, Blue

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

Sheath:

Grey

CURRENT RATINGS

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

CONTACT INFORMATION

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TECHNICAL DATA

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