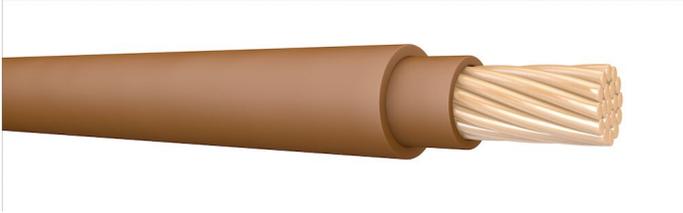


6181Y 19 Strand

PVC Insulated and Sheathed Single Core Cable. BS 6004. 300/500 V



Prysmian 6181Y (19 strand) is a low voltage single core, PVC insulated copper conductor with an additional PVC oversheath insulation for physical protection

KEY APPLICATIONS

Fixed installation in dry or damp premises on walls, boards or trays, in channels or embedded in plaster

FEATURES AND BENEFITS

- 19 strand design offers greater pliability
- Improves reliability and safety in screwed connections
- Comparable weight and dimensions as 7 wire strand
- Easier installation, saves time
- 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 | Round |

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 |

COLOURS

Insulation: Brown or Blue

Sheath: Brown or Blue

CURRENT RATINGS

Refer to table 4D1 of BS 7671 Requirements for Electrical Installations. IET Wiring Regulations

TECHNICAL DATA

| Nominal cross section conductor [mm ²] | Conductor category | Nominal thickness insulation [mm] | Nominal outer diameter [mm] | Cable weight [kg/km] | Conductor resistance at 20° C [Ohm/km] | Embodied Carbon [CO ₂ e kg/km] |
|--|--------------------|-----------------------------------|-----------------------------|----------------------|--|---|
| 25 | Class 2 = stranded | 1.2 | 10.6 | 310 | 0.727 | 2,004 |

*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>