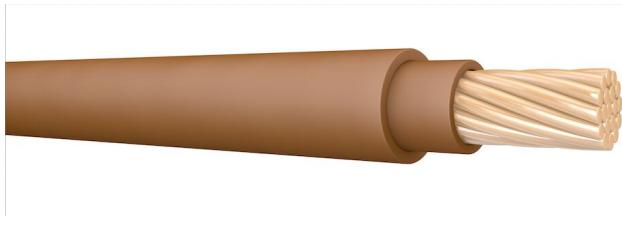


## 6181Y 19 Strand

**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 - [uk.prysmian.com/technical-area/faqs](http://uk.prysmian.com/technical-area/faqs)
- Technical email - [tech.info@prysmian.com](mailto:tech.info@prysmian.com)
- Live Chat - [uk.prysmian.com/technical-area](http://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  
Conductor surface  
Core insulation material  
Material outer sheath  
Cable shape

Copper  
Bare  
Polyvinyl chloride (PVC)  
Polyvinyl chloride (PVC)  
Round

## 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                                 |

## 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**

| <b>Nominal cross section conductor [mm<sup>2</sup>]</b> | <b>Conductor category</b> | <b>Nominal thickness insulation [mm]</b> | <b>Nominal outer diameter [mm]</b> | <b>Cable weight [kg/km]</b> | <b>Conductor resistance at 20° C [Ohm/km]</b> | <b>Embodied Carbon [CO<sub>2</sub>e kg/km]</b> |
|---------------------------------------------------------|---------------------------|------------------------------------------|------------------------------------|-----------------------------|-----------------------------------------------|------------------------------------------------|
| 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.prysmiangu.com/embodied-carbon>