

25 CU PVC PVC 0.5kV 6181Y GRY

6181Y. PVC Insulated Sheathed Single Core Cable. BS 6004. 300/500 V



Prysmian 6181Y 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

- 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	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: Grey

CURRENT RATINGS

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

TECHNICAL DATA

Nominal cross section conductor [mm²]	25
Conductor category	Class 2 = stranded
Nominal thickness insulation [mm]	1.2
Nominal outer diameter [mm]	10.9
Cable weight [kg/km]	320
Conductor resistance at 20° C [Ohm/km]	0.727

*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>