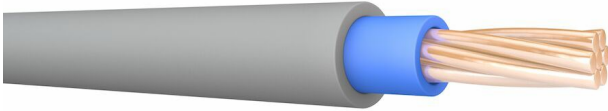


6181Y

PVC Insulated and 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 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:
Grey

CURRENT RATINGS

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

CONTACT INFORMATION

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TECHNICAL DATA

Nominal cross section conductor [mm ²]	Conductor category	Nominal thickness insulation [mm]	Nominal outer diameter [mm]	Weight [kg/km]	Conductor resistance at 20° C [Ohm/km]
1	Class 1 = solid	0.7	4	27	18.1
1.5	Class 1 = solid	0.7	4.5	35	12.1
2.5	Class 1 = solid	0.8	5.1	48	7.41
4	Class 2 = stranded	0.8	6.1	71	4.61
6	Class 2 = stranded	0.8	6.6	93	3.08
10	Class 2 = stranded	1	7.8	145	1.83
16	Class 2 = stranded	1	9	210	1.15
25	Class 2 = stranded	1.2	10.9	320	0.727
35	Class 2 = stranded	1.2	12	420	0.524