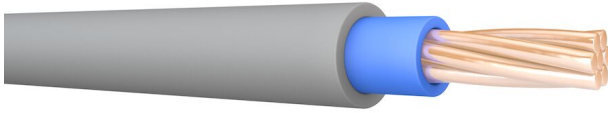


## 6181Y

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



Draka 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 <sub>0</sub> [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]	Conductor category	Nominal thickness insulation [mm]	Nominal outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]
1.5	Class 1 = solid	0.8	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