## Draka

### A Brand of Prysmian Group

# 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 Conductor surface Core insulation material Material outer sheath Cable shape Copper Bare

Polyvinyl chloride (PVC) Polyvinyl chloride (PVC) Round

GB40\_6181Y\_20240508

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#### **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]70Min. Operation temperature [°C]-15Min. Installation temperature [°C]0Max. Installation temperature [°C]60Bending 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

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# **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