

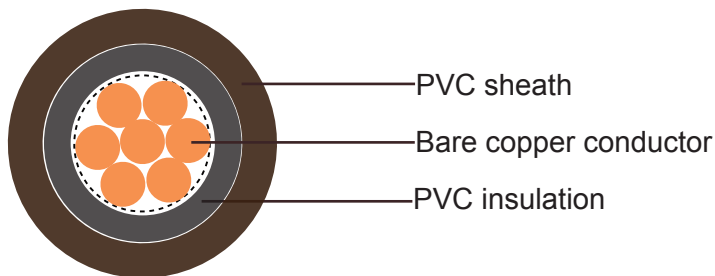


6181Y to BS 6004

Application and Description

These cables are designed for surface wiring where there is little risk of mechanical damage and are suitable for use in electrical installations such as power and lighting.

Cable Construction



6181Y



6181Y

- Bare copper conductor
- Solid to BS 6360 CL-1 or IEC 60228 CL-1; stranding to BS 6360 CL-2 or IEC 60228 CL-2
1.0mm²- 2.5mm CL-1 – circular solid
4mm² and above - CL-2 – stranded circular or circular compacted
- PVC insulation Type TI1 to BS7655
- PVC sheath Type 6 to BS7655

Core Identification

Black, Blue, Brown

Technical Characteristics

- Working voltage: 300/500V
- Minimum bending radius: 3xoverall diameter
- Operating temperature: -15° C to +70° C
- Insulation resistance: 10 MΩxkm
- Flame retardant: IEC 60332.1



Cable Parameter

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area #xmm ²	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
18	1x1	0.6	0.8	4.5	27
16	1x1.5	0.7	0.8	4.9	36
14	1x2.5	0.8	0.8	5.8	52
12(7/20)	1x4	0.9	0.9	6.8	76
10(7/18)	1x6	0.8	0.9	7.4	100
8(7/16)	1x10	1	0.9	8.8	160
6(7/14)	1x16	1	1	10.5	230
4(7/12)	1x25	1.2	1.1	12.5	340
2(7/10)	1x35	1.2	1.1	13.5	440