

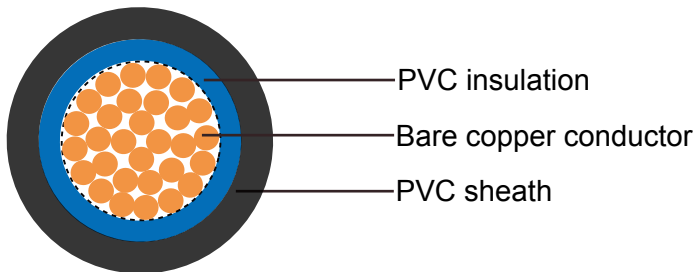


6381Y to BS 6004 and 6346

Application and Description

These cables are designed for DC power supplies on Telecom equipment and power applications where flexibility is required.

Cable Construction



6381Y



6381Y

- Bare copper conductor
- Stranding to BS6360 Class 5 or IEC60228 Class 5
- PVC insulation Type TI1 to BS7655
- PVC sheath Type TM1 to BS7655
oxygen index > 30%
- Meets requirements for flammability as required by BT specification M231

Sheath/Core Identification

Blue (Blue), Grey (Grey), Green/Yellow (Green/Yellow), Brown (Brown), Special colours to order

Technical Characteristics

- Working voltage: 1.0mm² to 35mm² - 450/750V to BS 6004
50mm² and above - 600/1000V to BS 6346
- Minimum bending radius: up to 50 mm² : 3xoverall diameter,
70mm² and above: - 4xoverall diameter
- Operating temperature: -15° C to +70° C
- Insulation resistance: 10 MΩxkm
- Flame retardant: IEC 60332.1, BS4066 Part 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
16(30/30)	1x1.5	0.9	0.8	4.9	36
14(50/30)	1x2.5	0.9	0.8	5.4	52
12(56/28)	1x4	1	0.9	6.3	76
10(84/28)	1x6	1.1	0.9	7.6	100
8(80/26)	1x10	1.2	1	8.6	160
6(128/26)	1x16	1.2	1	9.8	230
4(200/26)	1x25	1.4	1.1	11.5	340
2(280/26)	1x35	1.4	1.1	12.5	440
1(400/26)	1x50	1.4	1.4	15.1	541
2/0(356/24)	1x70	1.4	1.4	17.0	749
3/0(485/24)	1x95	1.6	1.5	19.1	1000
4/0(614/24)	1x120	1.6	1.8	21.6	1241
300MCM (765/24)	1x150	1.8	1.8	23.4	1523
350MCM (944/24)	1x185	2	1.8	25.5	1942
500MCM(1225/24)	1x240	2.2	1.8	28.5	2514
-(1525/24)	1x300	2.4	2	31.2	3125
-(2013/24)	1x400	2.6	2.1	35.3	3967
-(1769/23)	1x500	2.8	2.2	38.8	5063
-(2257/23)	1x630	2.8	2.4	43.8	6491