

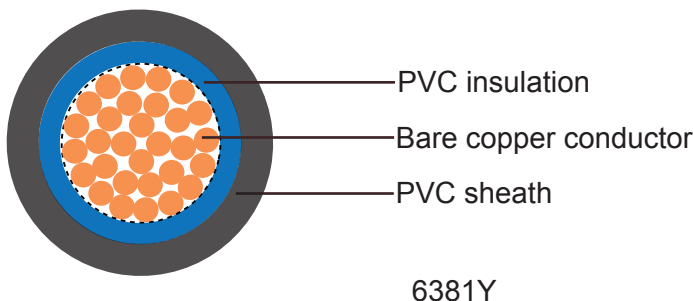


6381Y to BS 6004 & IEC60502

Application and Description

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

Cable Construction



6381Y

- Bare copper conductor
- Stranding to BS6360 CL-5 or IEC60228 CL-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
50mm² and above - 600/1000V
- 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