

6381Y Cable to BS6004



Conductor:

Class 5 Flexible Plain Copper Conductors to BS EN 60228:2005 (previously BS6360)

Insulation:

PVC (Polyvinyl Chloride) Type TI1 to BS7655

Standards:

Generally to BS6004

Sheath:

PVC (Polyvinyl Chloride) Type TM1 to BS7655 with oxygen index > 30%

Flame Retardant to BS4066 Part 1

Meets requirements for flammability as required by BT specification M231

Voltage Rating:

450/750v:10-35mm

600/1000v:50mm²+

Temperature Rating:

0°C to + 70°C

Sheath Colour (Insulation Colour):

Blue (Blue), Grey (Grey), Green/Yellow (Green/Yellow), Brown (Brown), Special Colours to Order

Minimum Bending Radius:

Up to 50mm²: 3 x Overall Diameter

Above 70mm²: 4 x Overall Diameter

Dimensions:

No. of Cores x CSA mm ²	Nominal Thickness of Insulation mm	Nominal Weight Kg/Km	Nominal Overall Diameter mm	Nominal Thickness of Sheath mm
1x1.5	0.9	38.0	4.91	0.8
1x2.5	0.9	48.8	5.35	0.8
1x4.0	1.0	70.7	6.25	0.9
1x6.0	1.1	100.5	7.60	0.9
1x10.0	1.2	151.6	8.56	1.1
1x16.0	1.2	212.7	9.75	1.1
1x25.0	1.4	307.0	11.50	1.1
1x35.0	1.4	404.5	12.50	1.1
1x50.0	1.4	579.2	15.10	1.4
1x70.0	1.4	768.2	16.95	1.4
1x95.0	1.6	1007.3	19.10	1.5
1x120.0	1.6	1281.3	21.60	1.8
1x150.0	1.8	1570.6	23.40	1.8
1x185.0	2.0	1895.0	25.50	1.8
1x240.0	2.2	2435.0	28.50	1.8
1x300.0	2.4	3050.0	31.20	2.0
1x400.0	2.6	4035.0	35.30	2.1
1x500.0	2.8	4970.0	38.80	2.2
1x630.0	2.8	6510.0	43.80	2.4

Conductors:

Nominal Cross Sectional Area (mm²)	Max. Resistance of Conductor at 20° Plain Wires (Ohms/Km)	Max. Diameter of Wires in Conductor (mm)
1.5	13.3000	0.26
2.5	7.9800	0.26
4.0	4.9500	0.31
6.0	3.3000	0.31
10.0	1.9100	0.41
16.0	1.2100	0.41
25.0	0.7800	0.41
35.0	0.5540	0.41
50.0	0.3860	0.41
70.0	0.2720	0.51
95.0	0.2060	0.51
120.0	0.1610	0.51
150.0	0.1290	0.51
185.0	0.1060	0.51
240.0	0.0801	0.51
300.0	0.0641	0.51
400.0	0.0486	0.51
500.0	0.0384	0.61
630.0	0.0287	0.61

Electrical Characteristics:

Nominal Cross Sectional Area (mm²)	Voltage Drop (mV/A/M)	Current Rating in Earth (Amps)	Current Rating in Air (Amps)
1.5	26.6000	27	41
2.5	15.9600	32	55
4.0	9.9000	42	71
6.0	6.6000	59	90
10.0	3.8200	81	124
16.0	2.4200	107	160
25.0	1.5600	144	208
35.0	1.1080	176	250
50.0	0.7720	214	296
70.0	0.5440	270	365
95.0	0.4120	334	438
120.0	0.3220	389	501
150.0	0.2580	446	563
185.0	0.2120	516	639
240.0	0.1602	618	716
300.0	0.1282	711	845
400.0	0.0972	843	975
500.0	0.0768	994	1125
630.0	0.0574	1102	1230

Part Number Reference:

Nominal Cross Sectional Area # x mm2	Colour			
	Blue	Grey	Green/Yellow	Brown
1.5	730-201	730-202	730-203	730-204
2.5	731-201	731-202	731-203	731-204
4.0	732-201	732-202	732-203	732-204
6.0	733-201	733-202	733-203	733-204
10.0	734-201	734-202	734-203	734-204
16.0	735-201	735-202	735-203	735-204
25.0	736-201	736-202	736-203	736-204
35.0	737-201	737-202	737-203	737-204
50.0	738-201	738-202	738-203	738-204
70.0	739-201	739-202	739-203	739-204
95.0	740-201	740-202	740-203	740-204
120.0	741-201	741-202	741-203	741-204
150.0	742-201	742-202	742-203	742-204
185.0	743-201	743-202	743-203	743-204
240.0	744-201	744-202	744-203	744-204
300.0	745-201	745-202	745-203	745-204
400.0	746-201	746-202	746-203	746-204
500.0	747-201	747-202	747-203	747-204
630.0	748-201	748-202	748-203	748-204