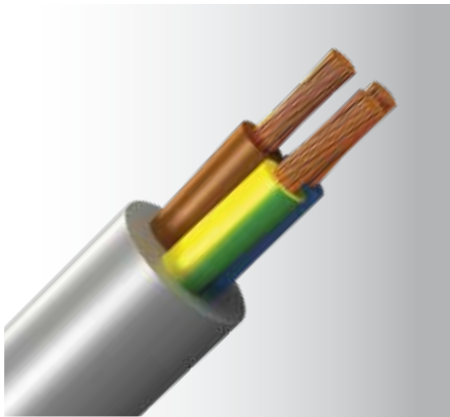


Flexible Cables

250/440V Circular Type
 PVC Insulated, PVC Sheathed Flexible Cable
 Description: CU/PVC/PVC



Application :	This cable is used for general indoor and outdoor purposes. (eg. Portable tools, washing machines and vacuum cleaners)
Voltage rating :	250/440V
Construction :	Flexible plain annealed copper conductor, PVC insulated, PVC sheathed cable
Insulation Colour :	2-Core: (Blue & Brown) 3-Core: (Green/Yellow, Blue & Brown) 4-Core: (Green/Yellow, Blue, Brown & Black) or (Green/Yellow, Brown, Black & Grey)
Sheath colour :	Grey (other colour upon request)
Specification :	BS2004
Operating Temperature:	70°C

Part No.	No. of Core	Conductor		Insulation	Sheath	Approx. Overall Diam.	Approx. Weight
		Nominal Area (mm ²)	No./Diam. of Strand (no./inch)	Thickness (mm)	Thickness (mm)		
2901**33	Single-Core	0.4	14/0.0076''	0.64	-	2.5	11
29023001	2-Core				1.02	6.6	56
29033002	3-Core				1.02	6.9	67
29043003	4-Core				1.02	7.4	79
3001**33	Single-Core	0.7	23/0.0076''	0.64	-	2.6	13
30023001	2-Core				1.02	7.2	70
30033002	3-Core				1.02	7.5	87
30043003	4-Core				1.02	8.2	100
3101**33	Single-Core	1.2	40/0.0076''	0.64	-	2.8	17
31023001	2-Core				1.02	7.7	88
31033002	3-Core				1.02	8.2	107
31043003	4-Core				1.02	9.4	141
3201**33	Single-Core	2.0	70/0.0076''	0.64	-	3.3	27
32023001	2-Core				1.27	9.2	129
32033002	3-Core				1.27	9.7	158
32043003	4-Core				1.27	10.5	192
3301**33	Single-Core	3.2	110/0.0076''	0.64	-	3.8	40
33023001	2-Core				1.27	10.0	167
33033002	3-Core				1.27	10.6	208
33043003	4-Core				1.27	11.5	258
3401**33	Single-Core	4.7	162/0.0076''	0.76	-	5.0	58
34023001	2-Core				1.27	11.5+	227
34033002	3-Core				1.27	11.9*	228
34043003	4-Core				1.27	12.2+	286
						12.7*	288
						13.5+	350
						14.0*	353

**Stands for colour code: ■ Brown (01) ■ Black (02) ■ Grey (03) ■ Blue (04) ■ Green/Yellow (05)
 For current rating and voltage drop please refer to Tables 10 & 11 (Page 49)

+ Bunched Conductor
 * Rope-Stranded Conductor
 (1mm=0.039 inch)

Current Rating and Voltage Drop

Flexible Cables



tel (65) 6367 0107 fax (65) 6365 2963
www.keystone-cable.com

Flexible Cables with PVC Insulation, or PVC Insulation & PVC Outersheath.

Table 10 : Technical Data Flexible Cord, Imperial Sizes (CU/PVC or CU/PVC/PVC Cables)

Conductor Operating Temperature :70°C

BS 2004

Ambient Temperature :30°C

Conductor		Current Rating	Voltage Drop per 100 feet		Maximum Weight supportable by twin flexible cord
Nominal Area	Construction	1 or 3 phase a.c. or d.c.	d.c. or 1 phase a.c.	3 phase a.c.	
1	2	3	4	5	6
in ²	No. / in	Amp	V	V	lb
0.0006	14 / 0.0076	3	8.9	7.7	3
0.0010	23 / 0.0076	6	11	9.4	5
0.0017	40 / 0.0076	13	14	12	10
0.0030	70 / 0.0076	18	12	10	10
0.0048	110 / 0.0076	24	9.6	8.3	10
0.0070	162 / 0.0076	31	8.4	7.3	10

Note : For rating factor of ambient temperature other than 30°C please refer to Table 25

Table 11 : Technical Data Flexible Cord, Metrics Sizes (CU/PVC or CU/PVC/PVC Cables)

Conductor Operating Temperature :70°C

BS 6500

Ambient Temperature :30°C

Conductor		Current Rating	Voltage Drop per 100 feet		Maximum Weight supportable by twin flexible cord
Nominal Area	Construction	1 or 3 phase a.c. or d.c.	d.c. or 1 phase a.c.	3 phase a.c.	
1	2	3	4	5	6
mm ²	No. / mm	Amp	mV/A/m	mV/A/m	Kg
0.50	16 / 0.2	3	83	72	2
0.75	24 / 0.2	6	56	48	3
1.00	32 / 0.2	10	43	37	5
1.25	40 / 0.2	13	35	29	5
1.50	30 / 0.25	16	31	26	5
2.50	50 / 0.25	25	18	16	5
4.00	56 / 0.30	32	11	10	5

Note : For rating factor of ambient temperature other than 30°C please refer to Table 25