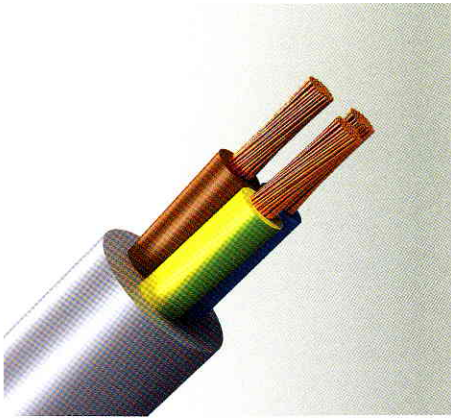


Flexible Cables

250/440V Circular Type
PVC Insulated, PVC Sheathed Flexible Cable
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
Core colours :	2-Core: (Blue & Brown) 3-Core: (Green/Yellow, Blue & Brown) 4-Core: (Green/Yellow, Black, Blue & Brown) or as per order
Sheath colour :	Grey, White or as per order
Specification :	BS2004

No. of Core	Conductor		Insulation Thickness	Sheath Thickness	Approx. Overall Dia	Approx. Weight
	Nominal Area	No./Dia. of Strand				
	mm ²	No./mm	mm	mm	mm	kg/km
Single-Core				-	2.47	11
2-Core	0.4	14/0.193	0.64	1.02	6.55	56
3-Core				1.02	6.88	67
4-Core				1.02	7.44	79
Single-Core				-	2.63	13
2-Core	0.7	23/0.193	0.64	1.02	7.16	70
3-Core				1.02	7.54	87
4-Core				1.02	8.18	100
Single-Core				-	2.80	17
2-Core	1.2	40/0.193	0.64	1.02	7.72	88
3-Core				1.02	8.15	107
4-Core				1.02	9.37	141
Single-Core				-	3.25	27
2-Core	2.0	70/0.193	0.64	1.27	9.19	129
3-Core				1.27	9.70	158
4-Core				1.27	10.54	192
Single-Core				-	3.75	40
2-Core	3.2	110/0.193	0.64	1.27	10.01	167
3-Core				1.27	10.57	208
4-Core				1.27	11.51	258
Single-Core				-	4.95	58
2-Core	4.7	162/0.193	0.76	1.27	11.53+	227
3-Core				1.27	11.94*	228
4-Core				1.27	12.22+	286
Single-Core				-	12.67*	288
2-Core	4.7	162/0.193	0.76	1.27	13.46+	350
4-Core				1.27	13.97*	353

For current rating and voltage drop please refer to Tables 18 & 19 (Page 58)

+ Bunched Conductor
* Rope-Stranded Conduct
(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 Outsheath.

Table 18 : Technical Data Flexible Cord, Imperial Sizes (CU/PVC or CU/PVC/PVC Cables)

Conductor Operating Temperature : 70°C
Ambient Temperature : 30°C

BS 2004

Conductor		Current Rating 1 or 3 phase a.c. or d.c.	Voltage Drop per 100 feet		Maximum Weight supportable by twin flexible cord
Nominal Area	Construction		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 26

Table 19 : Technical Data Flexible Cord, Imperial Sizes (CU/PVC or CU/PVC/PVC Cables)

Conductor Operating Temperature : 70°C
Ambient Temperature : 30°C

BS 6500

Conductor		Current Rating 1 or 3 phase a.c. or d.c.	Voltage Drop per 100 feet		Maximum Weight supportable by twin flexible cord
Nominal Area	Construction		d.c. or 1 phase a.c.	3 phase a.c.	
1	2	3	4	5	6
mm ²	No. / mm	Amp	mV/m	mV/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 26