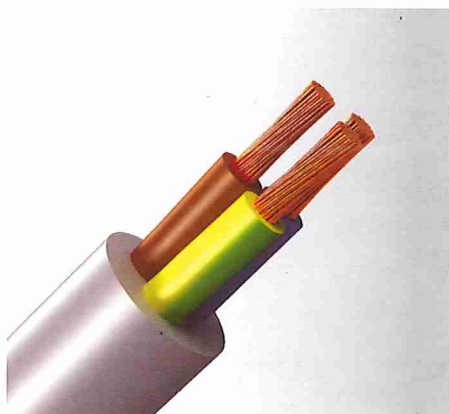


Flexible Cables

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



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



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, Blue, Brown & Grey)
Sheath colour :	Grey or as per order
Specification :	BS2004
Operating Temperature:	70°C

No. of Core	Conductor		Insulation	Sheath	Approx. Overall Dia	Approx. Weight
	Nominal Area	No./Dia. of Strand	Thickness	Thickness		
	(mm ²)	(no./mm)	(mm)	(mm)	(mm)	(kg/km)
Single-Core				-	2.5	11
2-Core	0.4	14/0.193	0.64	1.02	6.6	56
3-Core				1.02	6.9	67
4-Core				1.02	7.4	79
Single-Core				-	2.6	13
2-Core	0.7	23/0.193	0.64	1.02	7.2	70
3-Core				1.02	7.5	87
4-Core				1.02	8.2	100
Single-Core				-	2.8	17
2-Core	1.2	40/0.193	0.64	1.02	7.7	88
3-Core				1.02	8.2	107
4-Core				1.02	9.4	141
Single-Core				-	3.3	27
2-Core	2.0	70/0.193	0.64	1.27	9.2	129
3-Core				1.27	9.7	158
4-Core				1.27	10.5	192
Single-Core				-	3.8	40
2-Core	3.2	110/0.193	0.64	1.27	10.0	167
3-Core				1.27	10.6	208
4-Core				1.27	11.5	258
Single-Core				-	5.0	58
2-Core	4.7	162/0.193	0.76	1.27	11.5+	227
3-Core				1.27	11.9*	228
4-Core				1.27	12.2+	286
				1.27	12.7*	288
				1.27	13.5+	350
				1.27	14.0*	353

For current rating and voltage drop please refer to Tables 10 & 11 (Page 42)

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

Current Rating and Voltage Drop

Flexible Cables



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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
Ambient Temperature : 30°C

BS 2004

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
Ambient Temperature : 30°C

BS 6500

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/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 25