

POWERING UP OUR WORLD

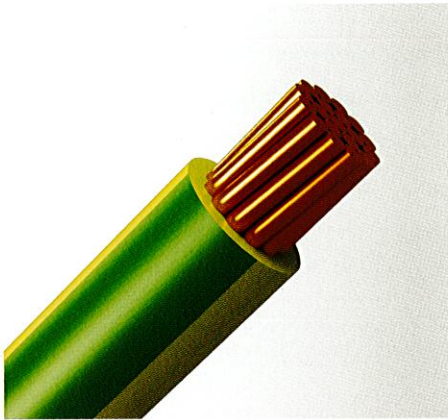


ISO 9001, ISO 14001, OHSAS 18001 Certified

LOW VOLTAGE CABLES

## PVC-Insulated Cables

450/750V Single-Core  
PVC Insulated, Non-Sheathed Cable  
CU/PVC



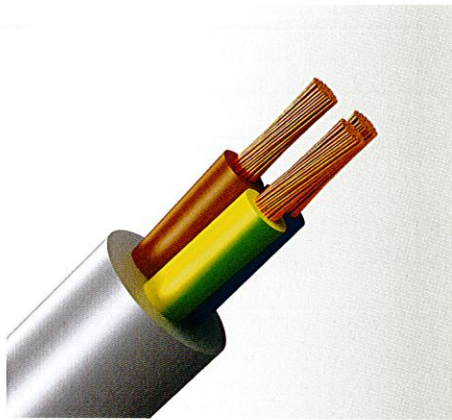
Application :	This cable is used in light fitting, and in switching and control equipment. It can be installed in conduit, in cable trunking and on cable trays.
Voltage rating :	450/750V
Construction :	Plain annealed copper, PVC insulated cable
Insulation colour :	Brown, Black, Grey, Blue, Green/Yellow or as per order
Specification :	SS358-3, BS6004, IEC60227-3

Conductor			Insulation	Approx. Overall Dia.	Approx. Weight
Nominal Area	No./Dia. of Strand	Approx. Dia.	Thickness		
mm <sup>2</sup>	No./mm	mm	mm	mm	kg/km
1.5	1/1.38	1.38	0.7	2.9	20
1.5	7/0.53	1.59	0.7	3.1	22
2.5	1/1.78	1.78	0.8	3.4	32
2.5	7/0.67	2.01	0.8	3.7	34
4	7/0.85	2.55	0.8	4.3	50
6	7/1.04	3.12	0.8	4.8	70
10	7/1.35	4.05	1.0	6.0	120
16	7/1.70	5.10	1.0	7.0	180
25	7/2.14	6.42	1.2	9.0	280
35	19/1.53	7.65	1.2	10.0	380
50	19/1.78	8.90	1.4	12.0	500
70	19/2.14	10.70	1.4	13.7	715
95	19/2.52	12.60	1.6	16.0	990
120	37/2.03	14.21	1.6	17.5	1,220
150	37/2.25	15.75	1.8	19.5	1,500
185	37/2.52	17.64	2.0	22.0	1,890
240	61/2.25	20.25	2.2	25.0	2,460
300	61/2.52	22.68	2.4	28.0	3,080
400	61/2.85	25.65	2.6	31.5	3,920
500	61/3.20	28.80	2.8	35.0	4,920
630	127/2.52	32.76	2.8	39.0	6,260

For current rating and voltage drop please refer to Tables 10 & 11 (Page 54)

## 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 (Green/Yellow, Brown, Black, Grey)
Sheath colour :	Grey, White or as per order
Specification :	BS2004

No. of Core	Conductor		Insulation	Sheath	Approx. Overall Dia	Approx. Weight
	Nominal Area	No./Dia. of Strand	Thickness	Thickness		
	mm <sup>2</sup>	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
				11.94*	228	
3-Core				1.27	12.22+	286
				12.67*	288	
4-Core				1.27	13.46+	350
					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)