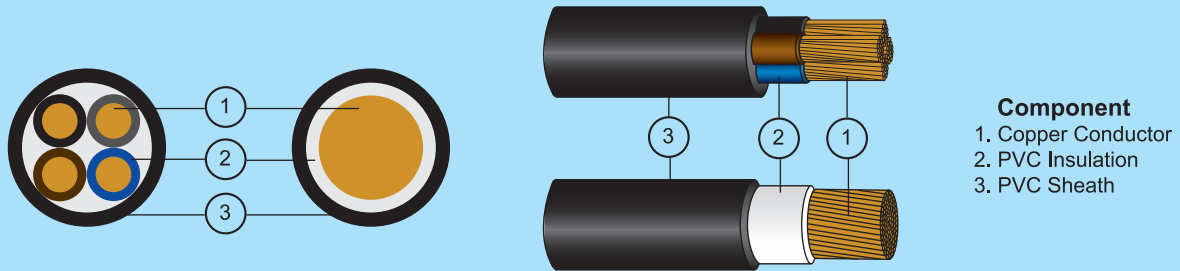


# Single Core, 2-, 3-, 4-, 5-, multicores CU/PVC/PVC

## PVC Insulated, PVC sheathed Cable, 0.6/1kV



### Standards Applied

Design Guide: IEC60502-1, MS274  
 Conductor: IEC60228, BS6360, BS EN 60228  
 Flame Retardancy: IEC60332-1-2, IEC60332-3-24\*\*, IEC60332-3-22\*\*

### Electrical Characteristics

Operating voltage, U<sub>0</sub>/U: 600/1000V  
 Max. operating temperature: 70°C  
 Final short circuit temperature: 160°C  
 Test voltage: 3.5kV for 5 minutes

### Installation Guide

Min. bending radius (mm) : 8 x Cable Overall Diameter, (sector shape); 6 x cable overall diameter (circular shape)  
 Max. pulling tension (kgf) : 7 x No. of Core x Conductor Size

### Construction

Conductor	Plain annealed copper wire
Insulation	An extruded layer of polyvinyl chloride (PVC) compound
Core Identification	Refer to Appendix F for details except single core. Single core will come with black insulation.
Assembly***	Cores cabled together, supplied with filler* and covered with polyester (PETP) binder tape*
Outer Sheath	An extruded layer of polyvinyl chloride (PVC) compound
Outer Sheath Colour	Black except single core. Single core will come with grey outer sheath.

### Dimension & Electrical Data

Product ID	No. of Core	Conductor Size	Nom. Insulation Thickness	Nom. Sheath Thickness	Nom. Overall Diameter	Approx. Cable Weight	Max. d.c. Resistance at 20°C
		mm <sup>2</sup>	mm	mm	mm	kg/km	Ω/km
	1	1.5	0.8	1.4	6.0	53	12.1
	1	2.5	0.8	1.4	6.4	66	7.41
	1	4	1.0	1.4	7.4	93	4.61
	1	6	1.0	1.4	7.9	118	3.08
	1	10	1.0	1.4	8.9	167	1.83
	1	16	1.0	1.4	9.9	234	1.15
	1	25	1.2	1.4	11.6	347	0.727
	1	35	1.2	1.4	12.9	451	0.524
	1	50	1.4	1.4	14.5	595	0.387
	1	70	1.4	1.4	16.3	815	0.268
	1	95	1.6	1.5	18.8	1113	0.193
	1	120	1.6	1.6	20.6	1372	0.153
	1	150	1.8	1.6	22.6	1670	0.124
	1	185	2.0	1.7	25.0	2082	0.0991
	1	240	2.2	1.8	28.3	2686	0.0754
	1	300	2.4	1.9	31.3	3342	0.0601
	1	400	2.6	2.0	34.9	4248	0.0470
	1	500	2.8	2.1	38.6	5307	0.0366
	1	630	2.8	2.2	42.8	6736	0.0283
	1	800	2.8	2.5	47.7	8536	0.0221
	1	1000	3.0	2.5	52.6	10649	0.0176

\* Optional  
 \*\* Available upon request  
 \*\*\* Not applicable for single core

**CU/PVC/PVC, PVC Insulated, PVC sheathed Cable, 0.6/1kV**  
**2-, 3-, 4-, 5-Cores**

**Dimension & Electrical Data**

Product ID	No. of Core	Conductor Size	Nom. Insulation Thickness	Nom. Sheath Thickness	Nom. Overall Diameter	Approx. Cable Weight	Max. d.c. Resistance at 20°C
		mm <sup>2</sup>	mm	mm	mm	kg/km	Ω/km
	2	1.5	0.8	1.8	10.4	134	12.1
	2	2.5	0.8	1.8	11.3	166	7.41
	2	4	1.0	1.8	12.4	215	4.61
	2	6	1.0	1.8	13.5	275	3.08
	2	10	1.0	1.8	16.3	380	1.83
	2	16	1.0	1.8	18.7	526	1.15
	2	25	1.2	1.8	22.2	768	0.727
	2	35	1.2	1.8	24.8	988	0.524
	2	50	1.4	1.8	28.1	1297	0.387
	2	70	1.4	1.9	32.0	1775	0.268
	2	95	1.6	2.0	37.2	2439	0.193
	2	120	1.6	2.1	40.7	2996	0.153
	2	150	1.8	2.2	44.8	3664	0.124
	2	185	2.0	2.4	49.9	4564	0.0991
	2	240	2.2	2.5	56.2	5894	0.0754
	2	300	2.4	2.7	62.4	7336	0.0601
	2	400	2.6	3.0	69.9	9293	0.0470

Product ID	No. of Core	Conductor Size	Nom. Insulation Thickness	Nom. Sheath Thickness	Nom. Overall Diameter	Approx. Cable Weight	Max. d.c. Resistance at 20°C
		mm <sup>2</sup>	mm	mm	mm	kg/km	Ω/km
	3	1.5	0.8	1.8	10.9	159	12.1
	3	2.5	0.8	1.8	11.9	202	7.41
	3	4	1.0	1.8	13.0	267	4.61
	3	6	1.0	1.8	14.3	347	3.08
	3	10	1.0	1.8	17.4	511	1.83
	3	16	1.0	1.8	19.9	724	1.15
	3	25	1.2	1.8	23.7	1086	0.727
	3	35	1.2	1.8	26.2	1396	0.524
	3	35 sh	1.2	1.8	21.9	1340	0.524
	3	50	1.4	1.8	29.8	1847	0.387
	3	50 sh	1.4	1.8	24.7	1770	0.387
	3	70	1.4	1.9	33.9	2471	0.268
	3	70 sh	1.4	1.9	27.9	2430	0.268
	3	95	1.6	2.1	39.6	3411	0.193
	3	95 sh	1.6	2.1	32.6	3278	0.193
	3	120	1.6	2.2	43.3	4336	0.153
	3	120 sh	1.6	2.2	35.4	4149	0.1530
	3	150	1.8	2.3	47.8	5310	0.124
	3	150 sh	1.8	2.3	39.2	4948	0.124
	3	185	2.0	2.5	53.2	6618	0.0991
	3	185 sh	2.0	2.5	43.7	6154	0.0991
	3	240	2.2	2.7	60.1	8584	0.0754
	3	240 sh	2.2	2.7	49.2	7905	0.0754
	3	300	2.4	2.8	66.5	10661	0.0601
	3	300 sh	2.4	2.9	53.6	9685	0.0601
	3	400	2.6	3.1	74.5	13510	0.047
	3	400 sh	2.6	3.1	66.4	12849	0.047

sh: sector shaped conductor

**CU/PVC/PVC, PVC Insulated, PVC sheathed Cable, 0.6/1kV**  
**2-, 3-, 4-, 5-Cores**

**Dimension & Electrical Data**

Product ID	No. of Core	Conductor Size	Nom. Insulation Thickness	Nom. Sheath Thickness	Nom. Overall Diameter	Approx. Cable Weight	Max. d.c. Resistance at 20°C
		mm <sup>2</sup>	mm	mm	mm	kg/km	Ω/km
	4	1.5	0.8	1.8	11.8	196	12.1
	4	2.5	0.8	1.8	12.8	255	7.41
	4	4	1.0	1.8	15.1	371	4.61
	4	6	1.0	1.8	16.5	483	3.08
	4	10	1.0	1.8	19.1	667	1.83
	4	16	1.0	1.8	21.6	946	1.15
	4	25	1.2	1.8	25.8	1408	0.727
	4	35	1.2	1.8	28.8	1818	0.524
	4	35 sh	1.2	1.8	26.2	1780	0.524
	4	50	1.4	1.9	33.1	2467	0.387
	4	50 sh	1.4	1.9	29.0	2352	0.387
	4	70	1.4	2.1	37.9	3413	0.268
	4	70 sh	1.4	2.0	33.2	3251	0.268
	4	95	1.6	2.2	43.4	4599	0.193
	4	95 sh	1.6	2.2	38.6	4438	0.193
	4	120	1.6	2.3	48.0	5623	0.153
	4	120 sh	1.6	2.3	41.8	5516	0.1530
	4	150	1.8	2.5	53.1	6943	0.124
	4	150 sh	1.8	2.5	46.9	6613	0.124
	4	185	2.0	2.7	59.1	8687	0.0991
	4	185 sh	2.0	2.6	51.9	8180	0.0991
	4	240	2.2	2.9	66.8	11185	0.0754
	4	240 sh	2.2	2.9	58.8	10545	0.0754
	4	300	2.4	3.1	74.2	14008	0.0601
	4	300 sh	2.4	3.1	65.1	12954	0.0601
	4	400	2.6	3.4	83.0	17664	0.047
	4	400 sh	2.6	3.4	73.3	17018	0.047

sh: sector shaped conductor

Product ID	No. of Core	Conductor Size	Nom. Insulation Thickness	Nom. Sheath Thickness	Nom. Overall Diameter	Approx. Cable Weight	Max. d.c. Resistance at 20°C
		mm <sup>2</sup>	mm	mm	mm	kg/km	Ω/km
	5	1.5	0.8	1.8	12.7	214	12.1
	5	2.5	0.8	1.8	13.9	276	7.41
	5	4.0	1.0	1.8	16.0	402	4.61
	7	1.5	0.8	1.8	13.7	266	12.1
	7	2.5	0.8	1.8	14.9	350	7.41
	7	4.0	1.0	1.8	17.4	514	4.61
	12	1.5	0.8	1.8	17.4	420	12.1
	12	2.5	0.8	1.8	19.2	559	7.41
	12	4.0	1.0	1.8	22.7	834	4.61
	19	1.5	0.8	1.8	20.1	611	12.1
	19	2.5	0.8	1.8	22.2	826	7.41
	19	4.0	1.0	1.8	26.5	1247	4.61
	27	1.5	0.8	1.8	23.6	833	12.1
	27	2.5	0.8	1.8	26.2	1138	7.41
	27	4.0	1.0	1.9	32.0	1745	4.61
	37	1.5	0.8	1.8	26.6	1099	12.1
	37	2.5	0.8	1.8	29.5	1511	7.41
	37	4.0	1.0	2.1	36.5	2269	4.61
	48	1.5	0.8	1.8	30.6	1411	12.1
	48	2.5	0.8	1.9	34.0	1949	7.41