

**600/1000 V PVC INSULATED AND PVC SHEATHED CABLES  
PVC/PVC (IEC 60502-1)**

**CONSTRUCTION**

<b>Conductor</b>	: Plain Annealed Copper (to IEC 60228 class 1)
<b>Insulation</b>	: PVC Compound type A
<b>Filler (if necessary)</b>	: Suitable material
<b>Sheath</b>	: PVC Compound type ST1
<b>Colour Ident.</b>	: Insulation - Black with numbering code Sheath - Black

**TECHNICAL DATA**

<b>Voltage</b>	U <sub>0</sub> /U - 600/1000 V
<b>Operating Temperature</b>	Maximum 70°C

**CONTROL CABLE : 1.5 mm<sup>2</sup> (Solid conductor)**

No of core	Conductor				Nominal Thickness of Insulation	Nominal Thickness of Sheath	Overall diameter of cable (approx.)	Weight of cable (approx.) kg/km	Maximum Conductor Resistance at 20°C Ω/km
	Nominal Cross-section area	Shape of conductor	Number of wire	Diameter of Conductor (approx.)					
	mm <sup>2</sup>	-	Number	mm					
6	1.5	RE	1	1.38	0.8	1.8	13.0	230	12.1
7	1.5	RE	1	1.38	0.8	1.8	13.0	245	12.1
8	1.5	RE	1	1.38	0.8	1.8	14.0	280	12.1
9	1.5	RE	1	1.38	0.8	1.8	15.0	310	12.1
10	1.5	RE	1	1.38	0.8	1.8	16.5	345	12.1
12	1.5	RE	1	1.38	0.8	1.8	17.0	395	12.1
14	1.5	RE	1	1.38	0.8	1.8	17.5	445	12.1
15	1.5	RE	1	1.38	0.8	1.8	18.0	470	12.1
16	1.5	RE	1	1.38	0.8	1.8	18.5	500	12.1
18	1.5	RE	1	1.38	0.8	1.8	19.5	550	12.1
19	1.5	RE	1	1.38	0.8	1.8	19.5	565	12.1
20	1.5	RE	1	1.38	0.8	1.8	20.0	600	12.1
21	1.5	RE	1	1.38	0.8	1.8	21.0	625	12.1
24	1.5	RE	1	1.38	0.8	1.8	22.5	710	12.1
30	1.5	RE	1	1.38	0.8	1.8	24.0	855	12.1
32	1.5	RE	1	1.38	0.8	1.8	24.5	905	12.1
37	1.5	RE	1	1.38	0.8	1.8	26.0	1025	12.1
40	1.5	RE	1	1.38	0.8	1.8	27.0	1105	12.1
50	1.5	RE	1	1.38	0.8	1.9	29.5	1350	12.1
52	1.5	RE	1	1.38	0.8	1.9	30.5	1405	12.1
60	1.5	RE	1	1.38	0.8	2.0	32.5	1615	12.1
61	1.5	RE	1	1.38	0.8	2.0	32.5	1635	12.1

Note RE : Round solid class 1

**600/1000 V PVC INSULATED AND PVC SHEATHED CABLES  
PVC/PVC (IEC 60502-1)**

<b>CONSTRUCTION</b>		<b>TECHNICAL DATA</b>
<b>Conductor</b>	: Plain Annealed Copper (to IEC 60228 class 2)	<b>Voltage</b> U <sub>0</sub> /U - 600/1000 V
<b>Insulation</b>	: PVC Compound type A	<b>Operating Temperature</b> Maximum 70°C
<b>Filler (if necessary)</b>	: Suitable material	
<b>Sheath</b>	: PVC Compound type ST1	
<b>Colour Ident.</b>	: Insulation - Black with numbering code Sheath - Black	

**CONTROL CABLE : 1.5 mm<sup>2</sup> (Stranded conductor)**

No of core	Conductor				Nominal Thickness of Insulation	Nominal Thickness of Sheath	Overall diameter of cable (approx.)	Weight of cable (approx.)	Maximum Conductor Resistance at 20°C
	Nominal Cross-section area	Shape of conductor	Number of wire	Diameter of Conductor (approx.)					
	mm <sup>2</sup>	-	Number	mm					
6	1.5	RM	7	1.6	0.8	1.8	13.5	240	12.1
7	1.5	RM	7	1.6	0.8	1.8	13.5	260	12.1
8	1.5	RM	7	1.6	0.8	1.8	14.5	295	12.1
9	1.5	RM	7	1.6	0.8	1.8	16.0	330	12.1
10	1.5	RM	7	1.6	0.8	1.8	17.0	365	12.1
12	1.5	RM	7	1.6	0.8	1.8	17.5	420	12.1
14	1.5	RM	7	1.6	0.8	1.8	18.5	475	12.1
15	1.5	RM	7	1.6	0.8	1.8	19.0	500	12.1
16	1.5	RM	7	1.6	0.8	1.8	19.5	530	12.1
18	1.5	RM	7	1.6	0.8	1.8	20.5	585	12.1
19	1.5	RM	7	1.6	0.8	1.8	20.5	600	12.1
20	1.5	RM	7	1.6	0.8	1.8	21.0	635	12.1
21	1.5	RM	7	1.6	0.8	1.8	22.0	665	12.1
24	1.5	RM	7	1.6	0.8	1.8	24.0	755	12.1
30	1.5	RM	7	1.6	0.8	1.8	25.5	910	12.1
32	1.5	RM	7	1.6	0.8	1.8	26.0	965	12.1
37	1.5	RM	7	1.6	0.8	1.8	27.5	1090	12.1
40	1.5	RM	7	1.6	0.8	1.8	28.5	1175	12.1
50	1.5	RM	7	1.6	0.8	1.9	31.0	1440	12.1
52	1.5	RM	7	1.6	0.8	1.9	32.0	1495	12.1
60	1.5	RM	7	1.6	0.8	2.0	34.5	1720	12.1
61	1.5	RM	7	1.6	0.8	2.0	34.5	1745	12.1

Note : RM : Circular Stranded Class 2

**600/1000 V PVC INSULATED AND PVC SHEATHED CABLES  
PVC/PVC (IEC 60502-1)**

CONSTRUCTION		TECHNICAL DATA	
<b>Conductor</b>	: Plain Annealed Copper (to IEC 60228 class 1)	<b>Voltage</b>	U <sub>0</sub> /U - 600/1000 V
<b>Insulation</b>	: PVC Compound type A	<b>Operating Temperature</b>	Maximum 70°C
<b>Filler (if necessary)</b>	: Suitable material		
<b>Sheath</b>	: PVC Compound type ST1		
<b>Colour Ident.</b>	: Insulation - Black with numbering code Sheath - Black		

**CONTROL CABLE : 2.5 mm<sup>2</sup> (Solid conductor)**

No of core	Conductor				Nominal Thickness of Insulation	Nominal Thickness of Sheath	Overall diameter of cable (approx.)	Weight of cable (approx.)	Maximum Conductor Resistance at 20°C
	Nominal Cross-section area	Shape of conductor	Number of wire	Diameter of Conductor (approx.)					
	mm <sup>2</sup>	-	Number	mm					
6	2.5	RE	1	1.78	0.8	1.8	14.5	300	7.41
7	2.5	RE	1	1.78	0.8	1.8	14.5	330	7.41
8	2.5	RE	1	1.78	0.8	1.8	15.5	375	7.41
9	2.5	RE	1	1.78	0.8	1.8	16.5	420	7.41
10	2.5	RE	1	1.78	0.8	1.8	18.0	465	7.41
12	2.5	RE	1	1.78	0.8	1.8	18.5	535	7.41
14	2.5	RE	1	1.78	0.8	1.8	19.5	610	7.41
15	2.5	RE	1	1.78	0.8	1.8	20.0	645	7.41
16	2.5	RE	1	1.78	0.8	1.8	20.5	685	7.41
18	2.5	RE	1	1.78	0.8	1.8	21.5	755	7.41
19	2.5	RE	1	1.78	0.8	1.8	21.5	780	7.41
20	2.5	RE	1	1.78	0.8	1.8	22.0	825	7.41
21	2.5	RE	1	1.78	0.8	1.8	23.5	865	7.41
24	2.5	RE	1	1.78	0.8	1.8	25.0	985	7.41
30	2.5	RE	1	1.78	0.8	1.8	26.5	1195	7.41
32	2.5	RE	1	1.78	0.8	1.8	27.0	1265	7.41
37	2.5	RE	1	1.78	0.8	1.9	28.5	1435	7.41
40	2.5	RE	1	1.78	0.8	1.9	30.0	1545	7.41
50	2.5	RE	1	1.78	0.8	2.0	33.0	1920	7.41
52	2.5	RE	1	1.78	0.8	2.0	34.0	1995	7.41
60	2.5	RE	1	1.78	0.8	2.1	36.5	2295	7.41
61	2.5	RE	1	1.78	0.8	2.1	36.5	2325	7.41

Note : RE : Round Solid Class 1

**600/1000 V PVC INSULATED AND PVC SHEATHED CABLES  
PVC/PVC (IEC 60502-1)**

**CONSTRUCTION**

**Conductor** : Plain Annealed Copper  
(to IEC 60228 class 2)

**Insulation** : PVC Compound type A

**Filler (if necessary)** : Suitable material

**Sheath** : PVC Compound type ST1

**Colour Ident.** : Insulation - Black with numbering code  
Sheath - Black

**TECHNICAL DATA**

**Voltage**  
U<sub>0</sub>/U - 600/1000 V

**Operating Temperature**  
Maximum 70°C

**CONTROL CABLE : 2.5 mm<sup>2</sup> (Stranded conductor)**

No of core	Conductor				Nominal Thickness of Insulation	Nominal Thickness of Sheath	Overall diameter of cable (approx.)	Weight of cable (approx.)	Maximum Conductor Resistance at 20°C
	Nominal Cross-section area	Shape of conductor	Number of wire	Diameter of Conductor (approx.)					
	mm <sup>2</sup>	-	Number	mm					
6	2.5	RM	7	2.0	0.8	1.8	15.0	320	7.41
7	2.5	RM	7	2.0	0.8	1.8	15.0	345	7.41
8	2.5	RM	7	2.0	0.8	1.8	16.0	395	7.41
9	2.5	RM	7	2.0	0.8	1.8	17.0	440	7.41
10	2.5	RM	7	2.0	0.8	1.8	18.5	490	7.41
12	2.5	RM	7	2.0	0.8	1.8	19.5	565	7.41
14	2.5	RM	7	2.0	0.8	1.8	20.5	640	7.41
15	2.5	RM	7	2.0	0.8	1.8	21.0	680	7.41
16	2.5	RM	7	2.0	0.8	1.8	21.5	725	7.41
18	2.5	RM	7	2.0	0.8	1.8	22.5	795	7.41
19	2.5	RM	7	2.0	0.8	1.8	22.5	825	7.41
20	2.5	RM	7	2.0	0.8	1.8	23.0	870	7.41
21	2.5	RM	7	2.0	0.8	1.8	24.0	910	7.41
24	2.5	RM	7	2.0	0.8	1.8	26.5	1040	7.41
30	2.5	RM	7	2.0	0.8	1.8	28.0	1260	7.41
32	2.5	RM	7	2.0	0.8	1.8	28.5	1335	7.41
37	2.5	RM	7	2.0	0.8	1.9	30.0	1515	7.41
40	2.5	RM	7	2.0	0.8	1.9	31.5	1635	7.41
50	2.5	RM	7	2.0	0.8	2.0	34.5	2025	7.41
52	2.5	RM	7	2.0	0.8	2.0	35.5	2105	7.41
60	2.5	RM	7	2.0	0.8	2.1	38.0	2420	7.41
61	2.5	RM	7	2.0	0.8	2.1	38.0	2455	7.41

Note : RM : Circular Stranded Class 2

**600/1000 V PVC INSULATED AND PVC SHEATHED CABLES  
PVC/PVC (IEC 60502-1)**

CONSTRUCTION		TECHNICAL DATA
<b>Conductor</b>	: Plain Annealed Copper (to IEC 60228 clas 1)	<b>Voltage</b> U <sub>0</sub> /U - 600/1000 V
<b>Insulation</b>	: PVC Compound type A	<b>Operating Temperature</b> Maximum 70°C
<b>Filler (if necessary)</b>	: Suitable material	
<b>Sheath</b>	: PVC Compound type ST1	
<b>Colour Ident.</b>	: Insulation - Black with numbering code Sheath - Black	

**CONTROL CABLE : 4 mm<sup>2</sup> (Solid conductor)**

No of core	Conductor				Nominal Thickness of Insulation	Nominal Thickness of Sheath	Overall diameter of cable (approx.)	Weight of cable (approx.)	Maximum Conductor Resistance at 20°C
	Nominal Cross-section area	Shape of conductor	Number of wire	Diameter of Conductor (approx.)					
	mm <sup>2</sup>	-	Number	mm					
6	4	RE	1	2.26	1.0	1.8	17.0	440	4.61
7	4	RE	1	2.26	1.0	1.8	17.0	485	4.61
8	4	RE	1	2.26	1.0	1.8	18.5	555	4.61
9	4	RE	1	2.26	1.0	1.8	20.0	625	4.61
10	4	RE	1	2.26	1.0	1.8	21.5	690	4.61
12	4	RE	1	2.26	1.0	1.8	22.0	800	4.61
14	4	RE	1	2.26	1.0	1.8	23.5	915	4.61
15	4	RE	1	2.26	1.0	1.8	24.0	970	4.61
16	4	RE	1	2.26	1.0	1.8	24.5	1035	4.61
18	4	RE	1	2.26	1.0	1.8	26.0	1140	4.61
19	4	RE	1	2.26	1.0	1.8	26.0	1185	4.61
20	4	RE	1	2.26	1.0	1.8	27.0	1250	4.61
21	4	RE	1	2.26	1.0	1.8	28.0	1310	4.61
24	4	RE	1	2.26	1.0	1.9	30.5	1495	4.61
30	4	RE	1	2.26	1.0	2.0	32.5	1840	4.61
32	4	RE	1	2.26	1.0	2.0	33.0	1950	4.61
37	4	RE	1	2.26	1.0	2.1	35.5	2235	4.61
40	4	RE	1	2.26	1.0	2.1	37.0	2410	4.61
50	4	RE	1	2.26	1.0	2.3	41.0	3010	4.61
52	4	RE	1	2.26	1.0	2.3	42.0	3130	4.61
60	4	RE	1	2.26	1.0	2.4	45.0	3575	4.61
61	4	RE	1	2.26	1.0	2.4	45.0	3625	4.61

Note RE : Round Solid Class 1

**600/1000 V PVC INSULATED AND PVC SHEATHED CABLES  
PVC/PVC (IEC 60502-1)**

CONSTRUCTION		TECHNICAL DATA
<b>Conductor</b>	: Plain Annealed Copper (to IEC 60228 clas 2)	<b>Voltage</b> U <sub>o</sub> /U - 600/1000 V
<b>Insulation</b>	: PVC Compound type A	<b>Operating Temperature</b> Maximum 70°C
<b>Filler (if necessary)</b>	: Suitable material	
<b>Sheath</b>	: PVC Compound type ST1	
<b>Colour Ident.</b>	: Insulation - Black with numbering code Sheath - Black	

**CONTROL CABLE : 4 mm<sup>2</sup> (Stranded conductor)**

No of core	Conductor				Nominal Thickness of Insulation	Nominal Thickness of Sheath	Overall diameter of cable (approx.)	Weight of cable (approx.)	Maximum Conductor Resistance at 20°C
	Nominal Cross-section area	Shape of conductor	Number of wire	Diameter of Conductor (approx.)					
	mm <sup>2</sup>	-	Number	mm					
6	4	RM	7	2.6	1.0	1.8	18.0	470	4.61
7	4	RM	7	2.6	1.0	1.8	18.0	515	4.61
8	4	RM	7	2.6	1.0	1.8	19.5	585	4.61
9	4	RM	7	2.6	1.0	1.8	21.0	660	4.61
10	4	RM	7	2.6	1.0	1.8	22.5	735	4.61
12	4	RM	7	2.6	1.0	1.8	23.5	850	4.61
14	4	RM	7	2.6	1.0	1.8	24.5	970	4.61
15	4	RM	7	2.6	1.0	1.8	25.5	1030	4.61
16	4	RM	7	2.6	1.0	1.8	26.0	1095	4.61
18	4	RM	7	2.6	1.0	1.8	27.5	1210	4.61
19	4	RM	7	2.6	1.0	1.8	27.5	1255	4.61
20	4	RM	7	2.6	1.0	1.8	28.5	1325	4.61
21	4	RM	7	2.6	1.0	1.8	30.0	1390	4.61
24	4	RM	7	2.6	1.0	1.9	32.5	1585	4.61
30	4	RM	7	2.6	1.0	2.0	34.5	1950	4.61
32	4	RM	7	2.6	1.0	2.0	35.0	2070	4.61
37	4	RM	7	2.6	1.0	2.1	37.5	2365	4.61
40	4	RM	7	2.6	1.0	2.1	39.0	2555	4.61
50	4	RM	7	2.6	1.0	2.3	43.5	3190	4.61
52	4	RM	7	2.6	1.0	2.3	44.5	3315	4.61
60	4	RM	7	2.6	1.0	2.4	47.5	3790	4.61
61	4	RM	7	2.6	1.0	2.4	47.5	3845	4.61

Note RM : Circular Stranded Class 2