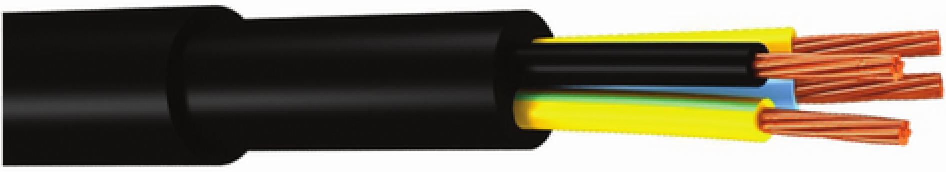
NYY

Cu / PVC / PVC 600 / 1000 V



Construction

- Annealed Bare Copper Conductor
- Extruded PVC Insulated
- PVC Outer Sheath , black colour
- Flame Retardancy : IEC-60332-1
- Standard : IEC-60502-1 : 2009

(other specifications are available on request : tinned copper conductor, flame retardancy to IEC 60332-cat.A/B/C, low smoke halogen free, heat resistant, oil resistant, hydrocarbon resistant, anti termite, anti rodent)

Application

- Use as power cable, installed indoor, outdoor and direct burial without mechanical stress.

Construction and Electrical Data

Number of Cores & Nom. Cross Section Area	Overall Diameter	Cable Weight	Conductor		Insulation	Inductance		Current - Carrying Capacity at 30°C				Short circuit current at 1 sec
			DC Resistance at 20°C	AC Resistance at 70°C	Insulation Resistance at 20°C	Trefoil formation	Flat formation	Trefoil: in air	Trefoil: in ground	Flat: in air	Flat: in ground	
	approx.	approx.	Max.	Max.	Min.			Max.	Max.	Max.	Max.	Max.
(mm²)	(mm)	(kg/km)	(Ω/km)	(Ω/km)	(M.Ω./km)	(mH/km)	(mH/km)	(A)	(A)	(A)	(A)	(kA)
1 x 1.5	6.0	55	12.1000	14.478	50	0.459	0.505	21	27	21	28	0.17
1 x 2.5	6.4	68	7.4100	8.866	50	0.423	0.470	27	35	28	36	0.29
1 x 4	7.2	92	4.6100	5.516	50	0.404	0.450	37	46	38	47	0.46
1 x 6	7.7	115	3.0800	3.685	50	0.380	0.426	46	57	48	59	0.69
1 x 10	8.5	159	1.8300	2.190	50	0.350	0.396	64	76	65	78	1.15
1 x 16	10.2	242	1.1500	1.376	40	0.327	0.374	84	98	87	101	1.84
1 x 25	11.8	349	0.7270	0.870	40	0.312	0.358	114	127	117	130	2.88
1 x 35	13.0	459	0.5240	0.627	40	0.299	0.345	140	152	144	156	4.03
1 x 50	14.8	590	0.3870	0.464	30	0.290	0.336	172	180	177	185	5.75
1 x 70	16.7	814	0.2680	0.321	30	0.278	0.324	218	221	224	227	8.05
1 x 95	19.3	1125	0.1930	0.232	30	0.274	0.321	270	264	278	271	10.93
1 x 120	20.8	1356	0.1530	0.184	30	0.267	0.313	315	300	324	309	13.80
1 x 150	23.0	1674	0.1240	0.150	20	0.266	0.313	362	336	373	346	17.25
1 x 185	25.6	2092	0.0991	0.121	20	0.264	0.310	420	379	433	391	21.28
1 x 240	28.8	2701	0.0754	0.093	20	0.261	0.307	503	439	518	453	27.60
1 x 300	31.9	3364	0.0601	0.075	20	0.258	0.305	580	494	598	510	34.50
1 x 400	35.2	4174	0.0470	0.061	20	0.256	0.302	674	558	695	577	41.20
1 x 500	39.4	5371	0.0366	0.049	20	0.252	0.299	781	629	806	650	51.50

Construction and Electrical Data

Number of Cores & Nom. Cross Section Area	Overall Diameter	Cable Weight	Conductor		Insulation	Inductance	Current - Carrying Capacity at 30°C		Short circuit current at 1 sec
			DC Resistance at 20°C	AC Resistance at 70°C	Insulation Resistance at 20°C		in air	in ground	
	approx.	approx.	Max.	Max.	Min.		Max.	Max.	Max.
(mm²)	(mm)	(kg/km)	(Ω/km)	(Ω/km)	(M.Ω./km)	(mH/km)	(A)	(A)	(kA)
2 x 1.5	12.1	204	12.1000	14.478	50	0.328	23	27	0.17
2 x 2.5	12.9	243	7.4100	8.866	50	0.304	30	36	0.29
2 x 4	14.6	322	4.6100	5.516	50	0.303	40	47	0.46
2 x 6	15.6	388	3.0800	3.685	50	0.288	51	59	0.69
2 x 10	17.2	512	1.8300	2.190	50	0.269	70	80	1.15
2 x 16	20.4	744	1.1500	1.376	40	0.255	93	104	1.84
2 x 25	23.6	1054	0.7270	0.870	40	0.255	123	134	2.88
2 x 35	26.1	1359	0.5240	0.627	40	0.246	151	162	4.03
2 x 50	30.0	1785	0.3870	0.464	30	0.247	182	191	5.75
2 x 70	34.0	2396	0.2680	0.321	30	0.238	230	236	8.05
2 x 95	39.2	3274	0.1930	0.232	30	0.238	280	281	10.93
2 x 120	42.4	3917	0.1530	0.184	30	0.233	325	321	13.80
2 x 150	45.0	4872	0.1240	0.150	20	0.233	371	361	17.25
2 x 185	50.0	5128	0.0991	0.121	20	0.233	424	406	21.28
2 x 240	56.0	6581	0.0754	0.093	20	0.232	501	470	27.60
2 x 300	62.0	8130	0.0601	0.075	20	0.231	572	528	34.50
3 x 1.5	12.6	230	12.1000	14.478	50	0.328	18	24	0.17
3 x 2.5	13.5	279	7.4100	8.866	50	0.304	25	32	0.29
3 x 4	15.3	375	4.6100	5.516	50	0.303	34	41	0.46
3 x 6	16.4	461	3.0800	3.685	50	0.288	44	50	0.69
3 x 10	18.1	619	1.8300	2.190	50	0.269	60	69	1.15
3 x 16	21.5	917	1.1500	1.376	40	0.255	79	88	1.84
3 x 25	25.0	1311	0.7270	0.870	40	0.255	105	114	2.88
3 x 35	27.7	1712	0.5240	0.627	40	0.246	129	137	4.03
3 x 50	32.5	2299	0.3870	0.464	30	0.247	162	168	5.75
3 x 70	36.3	3059	0.2680	0.321	30	0.238	203	206	8.05
3 x 95	41.9	4202	0.1930	0.232	30	0.238	250	247	10.93
3 x 120	45.8	5101	0.1530	0.184	30	0.233	289	281	13.80
3 x 150	50.5	6268	0.1240	0.150	20	0.233	330	315	17.25
3 x 185	56.4	7848	0.0991	0.121	20	0.233	381	356	21.28
3 x 240	63.3	10067	0.0754	0.093	20	0.232	457	412	27.60
3 x 300	62.5	12465	0.0601	0.075	20	0.231	577	464	34.50
3 x 400	69.0	12765	0.0470	0.060	20	0.229	594	524	41.20

Construction and Electrical Data

Number of Cores & Nom. Cross Section Area	Overall Diameter	Cable Weight	Conductor: DC Resistance at 20°C	Conductor: AC Resistance at 70°C	Insulation: Insulation Resistance at 20°C	Inductance	Current - Carrying Capacity at 30°C: in air	Current - Carrying Capacity at 30°C: in ground	Short circuit current at 1 sec
	approx.	approx.	Max.	Max.	Min.		Max.	Max.	Max.
(mm^2)	(mm)	(kg/km)	(Ω/km)	(Ω/km)	(M.Ω./km)	(mH/km)	(A)	(A)	(kA)
4 x 1.5	13.4	263	12.1000	14.478	50	0.328	22	27	0.17
4 x 2.5	14.5	328	7.4100	8.866	50	0.304	29	35	0.29
4 x 4	16.4	441	4.6100	5.516	50	0.303	39	46	0.46
4 x 6	17.6	547	3.0800	3.685	50	0.288	50	57	0.69
4 x 10	19.5	753	1.8300	2.190	50	0.269	68	77	1.15
4 x 16	23.4	1133	1.1500	1.376	40	0.255	90	99	1.84
4 x 25	27.4	1640	0.7270	0.870	40	0.255	121	128	2.88
4 x 35	30.0	2168	0.5240	0.627	40	0.246	149	154	4.03
4 x 50	35.7	2889	0.3870	0.464	30	0.247	173	173	5.75
4 x 70	40.0	3872	0.2680	0.321	30	0.238	215	212	8.05
4 x 95	46.9	5410	0.1930	0.232	30	0.238	266	255	10.93
4 x 120	50.7	6499	0.1530	0.184	30	0.233	308	289	13.80
4 x 150	56.5	8074	0.1240	0.150	20	0.233	357	327	17.25
4 x 185	62.4	9999	0.0991	0.121	20	0.233	405	366	21.28
4 x 240	70.1	12849	0.0754	0.093	20	0.232	482	425	27.60
4 x 300	72.5	16053	0.0601	0.075	20	0.231	552	479	34.50
4 x 400	82.5	16969	0.0470	0.060	20	0.229	643	545	41.20
5 x 1.5	14.4	309	12.1000	14.478	50	0.328	23	27	0.17
5 x 2.5	15.5	383	7.4100	8.866	50	0.304	30	36	0.29
5 x 4	17.6	520	4.6100	5.516	50	0.303	41	47	0.46
5 x 6	19.0	654	3.0800	3.685	50	0.288	52	59	0.69
5 x 10	21.1	900	1.8300	2.190	50	0.269	71	78	1.15
5 x 16	25.6	1374	1.1500	1.376	40	0.255	94	101	1.84
5 x 25	30.2	2008	0.7270	0.870	40	0.255	126	131	2.88
5 x 35	34.0	2680	0.5240	0.627	40	0.246	155	157	4.03
5 x 50	39.3	3534	0.3870	0.464	40	0.247	189	185	5.75

Construction and Electrical Data

Number of Cores & Nom. Cross Section Area (RM)	Overall Diameter	Cable Weight	Conductor		Insulation	Current - Carrying Capacity at 30°C		Short circuit current at 1 sec	Standard Length per Drum
			DC Resistance at 20°C	AC Resistance at 70°C	Insulation Resistance at 20°C	in air	in ground		
	approx.	approx.	Max.	Max.	Min.	Max.	Max.	Max.	Max.
(mm^2)	(mm)	(kg/km)	(Ω/km)	(Ω/km)	(M.Ω./km)	(A)	(A)	(kA)	(m)
7 x 1.5	15.3	362	12.1000	14.478	50	13	17	0.21	1000
7 x 2.5	16.5	456	7.4100	8.866	50	21	26	0.36	1000
10 x 1.5	18.9	507	12.1000	14.478	50	11	15	0.21	1000
10 x 2.5	20.6	647	7.4100	8.866	50	17	21	0.36	1000
12 x 1.5	18.9	529	12.1000	14.478	50	11	14	0.21	1000
12 x 2.5	20.6	683	7.4100	8.866	50	16	20	0.36	1000
14 x 1.5	19.7	600	12.1000	14.478	50	10	13	0.21	1000
14 x 2.5	21.5	779	7.4100	8.866	50	15	18	0.36	1000
16 x 1.5	20.6	665	12.1000	14.478	50	10	12	0.21	1000
16 x 2.5	22.5	867	7.4100	8.866	50	14	17	0.36	1000
19 x 1.5	21.5	740	12.1000	14.478	50	9	12	0.21	1000
19 x 2.5	23.5	912	7.4100	8.866	50	13	17	0.36	1000
21 x 1.5	22.6	777	12.1000	14.478	50	9	11	0.21	1000
21 x 2.5	26.0	1130	7.4100	8.866	50	12	16	0.36	1000
24 x 1.5	25.4	923	12.1000	14.478	50	8	11	0.21	1000
24 x 2.5	27.8	1210	7.4100	8.866	50	11	15	0.36	1000
30 x 1.5	26.2	1036	12.1000	14.478	50	8	11	0.21	1000
30 x 2.5	28.9	1390	7.4100	8.866	50	11	14	0.36	1000
40 x 1.5	29.1	1322	12.1000	14.478	50	8	11	0.21	1000
40 x 2.5	32.7	1831	7.4100	8.866	50	11	14	0.36	1000
52 x 1.5	31.7	1650	12.1000	14.478	50	8	11	0.21	1000
52 x 2.5	38.6	2540	7.4100	8.866	50	11	14	0.36	1000
61 x 1.5	35.3	1955	12.1000	14.478	50	8	11	0.21	1000
61 x 2.5	39.1	2659	7.4100	8.866	50	11	14	0.36	1000