

NYSY

LOW VOLTAGE CABLE WITH SCREENED CONDUCTOR (COPPER CONDUCTOR, PVC INSULATED, COPPER TAPE SCREENED AND PVC SHEATHED)

Type of Cable : NYSY
Rated Voltage : 0.6/1 kV
Size Range : 2 x 1.5 ... 35 mm²
 3 x 1.5 ... 35 mm²
 4 x 1.5 ... 35 mm²
 5 x 1.5 ... 35 mm²
 6 ... 61 x 1.5 mm²
 6 ... 61 x 2.5 mm²
 6 ... 61 x 4 mm²
 6 ... 61 x 6 mm²
Specification : IEC. 60502

Other Specification are available on request
Application : Indoor and Outdoor in duct installation or of laying in the ground where cable with screen copper tape

Identification of Cores
 Twin-Cores : Light-Blue, Black
 Three-Cores : Light-Blue
 Four-Cores : Light-blue, Red
 Yellow, Black
 Five-Cores : Green/Yellow, Light-blue,
 Red, Yellow, Black
 Above Five Cores : Black with white number
 Other colours are available on request

Construction :
 1. Annealed Copper Conductor
 2. Extruded PVC Insulated
 3. Extruded PVC Inner Sheathed
 4. Hellically Copper Tape Screen
 5. Extruded PVC Outer Sheathed



CONTROL SCREENED CABLE

(COPPER CONDUCTOR, PVC INSULATED, COPPER TAPE SCREENED AND PVC SHEATHED)

Type of Cable : NYSY
Rated Voltage : 0.6/1 kV

Specification : IEC. 60502
 (other specifications are available on request)

CONSTRUCTION

No. of Core	Size	Conductor		Wall Thickness		Approx Overall Diameter	Approx Net. Weight	Standard Length	Packing
		Construction	No. of Wire	Insulation	Sheath				
-	mm ²	-	-	mm	mm	mm	Kg/Km	m	-
2	1.5	rm	7	0.8	1.8	13.4	240	1000	Drum
2	2.5	rm	7	0.8	1.8	14.2	280	1000	Drum
2	4	rm	7	1.0	1.8	16.1	188	500	Drum
2	6	rm	7	1.0	1.8	17.2	223	500	Drum
2	10	rm	7	1.0	1.8	19.1	297	500	Drum
2	16	rm	7	1.0	1.8	21.2	390	500	Drum
2	25	rm	7	1.0	1.8	24.5	552	500	Drum
2	35	rm	7	1.0	1.8	27.1	706	500	Drum
3	1.5	rm	7	0.8	1.8	13.9	266	1000	Drum
3	2.5	rm	7	0.8	1.8	14.8	317	1000	Drum
3	4	rm	7	1.0	1.8	17.0	432	500	Drum
3	6	rm	7	1.0	1.8	18.0	520	500	Drum
3	10	rm	7	1.0	1.8	20.2	710	500	Drum
3	16	rm	7	1.0	1.8	22.4	950	500	Drum
3	25	rm	7	1.0	1.8	26.0	1368	500	Drum
3	35	rm	7	1.0	1.8	28.8	1768	500	Drum

CHARACTERISTICS

No. of Core	Size	Resistance at 20°C		Current Carrying Capacity at 30°C		Short Circuit Current at 1 sec.	AC Voltage Test
		Conductor	Insulation	In Ground	In Air		
-	mm ²	Ohm / km	M.Ohm.km	Amper	Amper	KA	KV / 5 min
2	1.5	12.1	50	27	21	0.17	3.5
2	2.5	7.41	50	36	29	0.29	3.5
2	4	4.61	50	47	38	0.46	3.5
2	6	3.08	40	59	48	0.70	3.5
2	10	1.83	30	78	66	1.16	3.5
2	16	1.15	30	102	90	1.86	3.5
2	25	0.727	30	134	120	2.90	3.5
2	35	0.524	20	160	150	4.06	3.5
3	1.5	12.1	50	24	18	0.17	3.5
3	2.5	7.41	50	32	25	0.29	3.5
3	4	4.61	50	41	34	0.46	3.5
3	6	3.08	40	52	44	0.70	3.5
3	10	1.83	30	69	60	1.16	3.5
3	16	1.15	30	89	80	1.86	3.5
3	25	0.727	30	116	105	2.90	3.5
3	35	0.524	20	138	130	4.06	3.5

Note* : If site condition are different ratings should be multiplied by rating factors as show in table page 78-83

CONTROL SCREENED CABLE

(COPPER CONDUCTOR, PVC INSULATED, COPPER TAPE SCREENED AND PVC SHEATHED)

Type of Cable : NYSY
 Rated Voltage : 0.6/1 kV

Specification : IEC. 60502
 (other specifications are available on request)

CONSTRUCTION									
No. of Core	Size	Conductor		Wall Thickness		Approx Overall Diameter	Approx Net. Weight	Standard Length	Packing
		Construction	No. of Wire	Insulation	Sheath				
-	mm ²	-	-	mm	mm	mm	Kg/Km	m	-
4	1.5	rm	7	0.8	1.8	14.8	307	1000	Drum
4	2.5	rm	7	0.8	1.8	15.8	370	1000	Drum
4	4	rm	7	1.0	1.8	18.2	514	500	Drum
4	6	rm	7	1.0	1.8	19.3	626	500	Drum
4	10	rm	7	1.0	1.8	21.8	866	500	Drum
4	16	rm	7	1.0	1.8	24.3	1174	500	Drum
4	25	rm	7	1.2	1.9	28.6	1720	500	Drum
4	35	rm	7	1.2	2.0	31.7	2232	500	Drum
5	1.5	rm	7	0.8	1.8	16	280	1000	Drum
5	2.5	rm	7	0.8	1.8	17	215	500	Drum
5	4	rm	7	1.0	1.8	20.0	301	500	Drum
5	6	rm	7	1.0	1.8	21.0	370	500	Drum
5	10	rm	7	1.0	1.8	23.8	517	500	Drum
5	16	rm	7	1.0	1.8	26.5	706	500	Drum
5	25	rm	7	1.2	2.0	31.5	1048	500	Drum
5	35	rm	7	1.2	2.1	35.3	1380	500	Drum

CHARACTERISTICS							
No. of Core	Size	Resistance at 20°C		Current Carrying Capacity at 30°C		Short Circuit Current at 1 sec.	AC Voltage Test
		Conductor	Insulation	In Ground	In Air		
-	mm ²	Ohm / km	M.Ohm.km	Amper	Amper	KA	KV / 5 min
4	1.5	12.1	50	24	18	0.17	3.5
4	2.5	7.41	50	32	25	0.29	3.5
4	4	4.61	50	41	34	0.46	3.5
4	6	3.08	40	52	44	0.70	3.5
4	10	1.83	30	69	60	1.16	3.5
4	16	1.15	30	89	80	1.86	3.5
4	25	0.727	30	116	105	2.90	3.5
4	35	0.524	20	138	130	4.06	3.5
5	1.5	12.1	50	24	18	0.17	3.5
5	2.5	7.41	50	32	25	0.29	3.5
5	4	4.61	50	41	34	0.46	3.5
5	6	3.08	40	52	44	0.70	3.5
5	10	1.83	30	69	60	1.16	3.5
5	16	1.15	30	89	80	1.86	3.5
5	25	0.727	30	116	105	2.90	3.5
5	35	0.524	20	138	130	4.06	3.5

Note* : If site condition are different ratings should be multiplied by rating factors as show in table page 78-83

CONTROL SCREENED CABLE

(COPPER CONDUCTOR, PVC INSULATED, COPPER TAPE SCREENED AND PVC SHEATHED)

Type of Cable : NYSY
 Rated Voltage : 0.6/1 kV

Specification : IEC. 60502
 (other specifications are available on request)

CONSTRUCTION									
No. of Core	Size	Conductor		Wall Thickness		Approx Overall Diameter	Approx Net. Weight	Standard Length	Packing
		Construction	No. of Wire	Insulation	Sheath				
-	mm ²	-	-	mm	mm	mm	Kg/Km	m	-
6	1.5	rm	7	0.8	1.8	17.0	402	500	Drum
7	1.5	rm	7	0.8	1.8	17.0	412	500	Drum
8	1.5	rm	7	0.8	1.8	17.8	456	500	Drum
9	1.5	rm	7	0.8	1.8	20.3	536	500	Drum
10	1.5	rm	7	0.8	1.8	20.7	568	500	Drum
12	1.5	rm	7	0.8	1.8	20.7	598	500	Drum
14	1.5	rm	7	0.8	1.8	21.6	664	500	Drum
16	1.5	rm	7	0.8	1.8	22.6	734	500	Drum
19	1.5	rm	7	0.8	1.8	23.6	816	500	Drum
20	1.5	rm	7	0.8	1.8	24.6	876	500	Drum
21	1.5	rm	7	0.8	1.8	24.6	884	500	Drum
24	1.5	rm	7	0.8	1.9	27.2	1024	500	Drum
27	1.5	rm	7	0.8	1.9	27.7	1088	500	Drum
30	1.5	rm	7	0.8	1.9	28.6	1178	500	Drum
32	1.5	rm	7	0.8	1.9	29.6	1266	500	Drum
34	1.5	rm	7	0.8	2.0	30.4	1346	500	Drum
37	1.5	rm	7	0.8	2.0	30.8	1394	500	Drum
40	1.5	rm	7	0.8	2.0	31.8	1484	500	Drum
50	1.5	rm	7	0.8	2.1	35.3	1826	500	Drum
60	1.5	rm	7	0.8	2.2	38.4	2154	500	Drum
61	1.5	rm	7	0.8	2.2	38.4	2164	500	Drum
6	2.5	rm	7	0.8	1.8	18.0	492	500	Drum
7	2.5	rm	7	0.8	1.8	18.0	508	500	Drum
8	2.5	rm	7	0.8	1.8	19.1	562	500	Drum
9	2.5	rm	7	0.8	1.8	21.8	660	500	Drum
10	2.5	rm	7	0.8	1.8	21.8	692	500	Drum
12	2.5	rm	7	0.8	1.8	22.4	754	500	Drum
14	2.5	rm	7	0.8	1.8	23.4	844	500	Drum
16	2.5	rm	7	0.8	1.8	24.5	938	500	Drum
19	2.5	rm	7	0.8	1.8	25.6	1050	500	Drum
20	2.5	rm	7	0.8	1.8	26.7	1136	500	Drum
21	2.5	rm	7	0.8	1.8	26.7	1138	500	Drum
24	2.5	rm	7	0.8	1.9	29.6	1318	500	Drum
27	2.5	rm	7	0.8	2.0	30.4	1428	500	Drum
30	2.5	rm	7	0.8	2.0	31.4	1552	500	Drum
32	2.5	rm	7	0.8	2.1	33.1	1714	500	Drum
34	2.5	rm	7	0.8	2.1	33.7	1802	500	Drum
37	2.5	rm	7	0.8	2.1	34.2	1876	500	Drum
40	2.5	rm	7	0.8	2.1	35.3	2000	500	Drum
50	2.5	rm	7	0.8	2.2	38.8	2426	500	Drum
60	2.5	rm	7	0.8	2.4	42.4	2890	500	Drum
61	2.5	rm	7	0.8	2.4	42.4	2904	500	Drum

CONTROL SCREENED CABLE

(COPPER CONDUCTOR, PVC INSULATED, COPPER TAPE SCREENED AND PVC SHEATHED)

Type of Cable : NYSY
 Rated Voltage : 0.6/1 kV

Specification : IEC. 60502
 (other specifications are available on request)

CHARACTERISTICS

No of. Core	Size	Resistance at 20°C		Current Carrying Capacity at 30°C		Short Circuit Current at 1 sec.	AC Voltage Test
		Conductor	Insulation	In Ground	In Air		
-	mm ²	Ohm / km	M.Ohm.km	Amper	Amper	KA	KV / 5 min
6	1.5	12.1	50	14	10	0.17	3.5
7	1.5	12.1	50	14	10	0.17	3.5
8	1.5	12.1	50	14	10	0.17	3.5
9	1.5	12.1	50	12	9	0.17	3.5
10	1.5	12.1	50	12	9	0.17	3.5
12	1.5	12.1	50	10	8	0.17	3.5
14	1.5	12.1	50	10	8	0.17	3.5
16	1.5	12.1	50	10	8	0.17	3.5
19	1.5	12.1	50	9	8	0.17	3.5
20	1.5	12.1	50	9	8	0.17	3.5
21	1.5	12.1	50	8	7	0.17	3.5
24	1.5	12.1	50	8	7	0.17	3.5
27	1.5	12.1	50	8	7	0.17	3.5
30	1.5	12.1	50	8	7	0.17	3.5
32	1.5	12.1	50	8	7	0.17	3.5
34	1.5	12.1	50	7	6	0.17	3.5
37	1.5	12.1	50	7	6	0.17	3.5
40	1.5	12.1	50	7	6	0.17	3.5
50	1.5	12.1	50	7	6	0.17	3.5
60	1.5	12.1	50	6	5	0.17	3.5
61	1.5	12.1	50	6	5	0.17	3.5
6	2.5	7.41	50	19	16	0.29	3.5
7	2.5	7.41	50	19	16	0.29	3.5
8	2.5	7.41	50	19	16	0.29	3.5
9	2.5	7.41	50	16	13	0.29	3.5
10	2.5	7.41	50	16	13	0.29	3.5
12	2.5	7.41	50	14	12	0.29	3.5
14	2.5	7.41	50	14	12	0.29	3.5
16	2.5	7.41	50	14	12	0.29	3.5
19	2.5	7.41	50	12	12	0.29	3.5
20	2.5	7.41	50	12	12	0.29	3.5
21	2.5	7.41	50	11	11	0.29	3.5
24	2.5	7.41	50	11	11	0.29	3.5
27	2.5	7.41	50	11	11	0.29	3.5
30	2.5	7.41	50	11	11	0.29	3.5
32	2.5	7.41	50	11	11	0.29	3.5
34	2.5	7.41	50	10	9	0.29	3.5
37	2.5	7.41	50	10	9	0.29	3.5
40	2.5	7.41	50	10	9	0.29	3.5
50	2.5	7.41	50	10	9	0.29	3.5
60	2.5	7.41	50	8	8	0.29	3.5
61	2.5	7.41	50	8	8	0.29	3.5

Note* : If site condition are different ratings should be multiplied by rating factors as show in table page 78-83

CONTROL SCREENED CABLE

(COPPER CONDUCTOR, PVC INSULATED, COPPER TAPE SCREENED AND PVC SHEATHED)

Type of Cable : NYSY
 Rated Voltage : 0.6/1 kV

Specification : IEC. 60502
 (other specifications are available on request)

CONSTRUCTION

No. of Core	Size	Conductor		Wall Thickness		Approx Overall Diameter	Approx Net. Weight	Standard Length	Packing
		Construction	No. of Wire	Insulation	Sheath				
-	mm ²	-	-	mm	mm	mm	Kg/Km	m	-
6	4	rm	7	1.0	1.8	21.0	696	500	Drum
7	4	rm	7	1.0	1.8	21.0	724	500	Drum
8	4	rm	7	1.0	1.8	22.4	804	500	Drum
9	4	rm	7	1.0	1.8	25.8	946	500	Drum
10	4	rm	7	1.0	1.8	25.8	998	500	Drum
12	4	rm	7	1.0	1.8	20.5	1094	500	Drum
14	4	rm	7	1.0	1.8	28.0	1248	500	Drum
16	4	rm	7	1.0	1.9	29.4	1394	500	Drum
19	4	rm	7	1.0	2.0	31.0	1584	500	Drum
20	4	rm	7	1.0	2.0	32.8	1752	500	Drum
21	4	rm	7	1.0	2.0	32.8	1754	500	Drum
24	4	rm	7	1.0	2.2	36.6	2050	500	Drum
27	4	rm	7	1.0	2.2	37.3	2200	500	Drum
30	4	rm	7	1.0	2.2	38.6	2398	500	Drum
32	4	rm	7	1.0	2.3	40.2	2598	500	Drum
34	4	rm	7	1.0	2.3	41.0	2740	500	Drum
37	4	rm	7	1.0	2.3	41.6	2858	500	Drum
40	4	rm	7	1.0	2.4	43.6	3116	500	Drum
50	4	rm	7	1.0	2.5	47.9	3784	500	Drum
60	4	rm	7	1.0	2.7	52.4	4512	250	Drum
61	4	rm	7	1.0	2.7	52.4	4532	250	Drum
6	6	rm	7	1.0	1.8	22.5	862	500	Drum
7	6	rm	7	1.0	1.8	22.5	902	500	Drum
8	6	rm	7	1.0	1.8	24.1	1008	500	Drum
9	6	rm	7	1.0	1.9	28.0	1196	500	Drum
10	6	rm	7	1.0	1.9	28.0	1268	500	Drum
12	6	rm	7	1.0	1.9	28.8	1402	500	Drum
14	6	rm	7	1.0	2.0	30.4	1600	500	Drum
16	6	rm	7	1.0	2.0	31.9	1794	500	Drum
19	6	rm	7	1.0	2.1	34.1	2082	500	Drum
20	6	rm	7	1.0	2.1	35.7	2254	500	Drum
21	6	rm	7	1.0	2.1	35.7	2266	500	Drum
24	6	rm	7	1.0	2.3	39.8	2642	500	Drum
27	6	rm	7	1.0	2.3	40.6	2850	500	Drum
30	6	rm	7	1.0	2.3	42.0	3116	500	Drum
32	6	rm	7	1.0	2.4	44.1	3412	500	Drum
34	6	rm	7	1.0	2.4	45.1	3602	500	Drum
37	6	rm	7	1.0	2.5	45.9	3792	500	Drum
40	6	rm	7	1.0	2.5	47.5	4058	500	Drum
50	6	rm	7	1.0	2.7	52.4	4972	250	Drum
60	6	rm	7	1.0	2.9	57.7	5984	250	Drum
61	6	rm	7	1.0	2.9	57.7	6024	250	Drum

CONTROL SCREENED CABLE

(COPPER CONDUCTOR, PVC INSULATED, COPPER TAPE SCREENED AND PVC SHEATHED)

Type of Cable : NYSY
 Rated Voltage : 0.6/1 kV

Specification : IEC. 60502
 (other specifications are available on request)

CHARACTERISTICS

No of. Core	Size	Resistance at 20°C		Current Carrying Capacity at 30°C		Short Circuit Current at 1 sec.	AC Voltage Test
		Conductor	Insulation	In Ground	In Air		
-	mm ²	Ohm / km	M.Ohm.km	Amper	Amper	KA	KV / 5 min
6	4	4.61	50	24	22	0.46	3.5
7	4	4.61	50	24	22	0.46	3.5
8	4	4.61	50	24	22	0.46	3.5
9	4	4.61	50	20	18	0.46	3.5
10	4	4.61	50	20	18	0.46	3.5
12	4	4.61	50	18	17	0.46	3.5
14	4	4.61	50	18	17	0.46	3.5
16	4	4.61	50	18	17	0.46	3.5
19	4	4.61	50	17	16	0.46	3.5
20	4	4.61	50	17	16	0.46	3.5
21	4	4.61	50	15	14	0.46	3.5
24	4	4.61	50	15	14	0.46	3.5
27	4	4.61	50	15	14	0.46	3.5
30	4	4.61	50	15	14	0.46	3.5
32	4	4.61	50	15	14	0.46	3.5
34	4	4.61	50	13	12	0.46	3.5
37	4	4.61	50	13	12	0.46	3.5
40	4	4.61	50	13	12	0.46	3.5
50	4	4.61	50	13	12	0.46	3.5
60	4	4.61	50	11	10	0.46	3.5
61	4	4.61	50	11	10	0.46	3.5
6	6	3.08	50	31	28	0.69	3.5
7	6	3.08	50	31	28	0.69	3.5
8	6	3.08	50	31	28	0.69	3.5
9	6	3.08	50	26	24	0.69	3.5
10	6	3.08	50	26	24	0.69	3.5
12	6	3.08	50	23	22	0.69	3.5
14	6	3.08	50	23	22	0.69	3.5
16	6	3.08	50	23	22	0.69	3.5
19	6	3.08	50	23	22	0.69	3.5
20	6	3.08	50	23	22	0.69	3.5
21	6	3.08	50	20	19	0.69	3.5
24	6	3.08	50	20	19	0.69	3.5
27	6	3.08	50	20	19	0.69	3.5
30	6	3.08	50	18	19	0.69	3.5
32	6	3.08	50	18	19	0.69	3.5
34	6	3.08	50	18	17	0.69	3.5
37	6	3.08	50	15	15	0.69	3.5
40	6	3.08	50	15	15	0.69	3.5
50	6	3.08	50	15	15	0.69	3.5
60	6	3.08	50	13	13	0.69	3.5
61	6	3.08	50	13	13	0.69	3.5

Note* : If site condition are different ratings should be multiplied by rating factors as show in table page 78-83