

NYFGbY

LOW VOLTAGE ARMoured CABLE (COPPER CONDUCTOR, PVC INSULATED, FLAT STEEL WIRE ARMoured AND PVC SHEATHED)

Type of Cable : NYFGbY
Rated Voltage : 0.6/1 KV
Size Range : 2 x 10 ... 300 mm²
 3 x 10 ... 400 mm²
 4 x 6 ... 400 mm²
 5 x 4 ... 50 mm²
Specification : SPLN 43-2 : 1994
 SNI 04-2700-1999
 IEC 60502

Other Specification are available on request

Application : Indoor and Outdoor
 installation direct burial
 Preferably use where
 considerable mechanical
 stress must be envisaged

Identification of Cores

Twin-Cores : Light-Blue, Black
Three-Cores : System I
 Green/Yellow, Light-blue, Black
 System O
 Light-Blue, Yellow, Black
Four-Cores : System I
 Green/Yellow, Light-blue
 Yellow, Black
 System O
 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 Sheath
4. Flat steel wire and tape armoured
5. Extruded PVC Outer Sheathed



TWIN CORES, ARMoured CABLE

(COPPER CONDUCTOR, PVC INSULATED FLAT STEEL WIRE ARMoured AND PVC SHEATHED)

Type of Cable : NYFGbY
 Rated Voltage : 0.6/1 KV

Specification : SPLN 43-2-1994
 SNI. 04-2700-1999
 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	10	re/rm	1/7	1.0	1.8	18.7	784	500	Drum
2	16	rm	7	1.0	1.8	21.8	1089	500	Drum
2	25	rm	7	1.2	2.0	26.3	1555	500	Drum
2	35	rm	7	1.2	2.0	28.7	1897	500	Drum
2	50	rm	19	1.4	2.0	29.4	2391	500	Drum
2	70	rm	19	1.4	2.2	35.6	2952	500	Drum
2	95	rm	19	1.6	2.2	40.1	2814	500	Drum
2	120	rm	37	1.6	2.2	43.3	4565	500	Drum
2	150	rm	37	1.8	2.2	49.3	5693	500	Drum
2	185	rm	37	2.0	2.5	54.5	6961	250	Drum
2	240	rm	61	2.2	2.7	61.1	8748	250	Drum
2	300	rm	61	2.4	2.8	66.9	10634	250	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	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
2	50	0.387	20	187	180	5.80	3.5
2	70	0.268	20	230	230	8.12	3.5
2	95	0.193	20	280	275	11.02	3.5
2	120	0.153	20	320	320	13.92	3.5
2	150	0.124	20	355	375	17.40	3.5
2	185	0.0991	20	409	430	21.46	3.5
2	240	0.0754	20	472	510	27.84	3.5
2	300	0.0601	20	525	590	34.5	3.5

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

THREE CORES, ARMoured CABLE

(COPPER CONDUCTOR, PVC INSULATED FLAT STEEL WIRE ARMoured AND PVC SHEATHED)

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

Specification : SPLN 43-2-1994
SNI. 04-2700-1999
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	-
3	10	re/rm	1/7	1.0	1.8	19.6	922	500	Drum
3	16	rm	7	1.0	1.8	24.0	1360	500	Drum
3	25	rm	7	1.2	2.0	27.5	1857	500	Drum
3	35	rm	7	1.2	2.0	29.9	2290	500	Drum
3	50	sm	19	1.4	2.0	30.4	2563	500	Drum
3	70	sm	19	1.4	2.2	34.0	3356	500	Drum
3	95	sm	19	1.6	2.2	38.0	4280	500	Drum
3	120	sm	37	1.6	2.2	40.7	5095	500	Drum
3	150	sm	37	1.8	2.2	45.4	6290	300	Drum
3	185	sm	37	2.0	2.6	49.4	7619	300	Drum
3	240	sm	37	2.2	3.0	54.6	9333	250	Drum
3	300	sm	37	2.4	3.0	58.5	11206	250	Drum
3	400	sm	37	2.6	3.2	65.6	13957	250	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
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
3	50	0.387	20	165	160	5.80	3.5
3	70	0.268	20	205	200	8.12	3.5
3	95	0.193	20	245	245	11.02	3.5
3	120	0.153	20	280	285	13.92	3.5
3	150	0.124	20	315	325	17.40	3.5
3	185	0.0991	20	355	370	21.46	3.5
3	240	0.0754	20	415	435	27.84	3.5
3	300	0.0601	20	465	500	34.5	3.5
3	400	0.0470	20	535	600	46.0	3.5

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

FOUR CORES, ARMoured CABLE

(COPPER CONDUCTOR, PVC INSULATED FLAT STEEL WIRE ARMoured AND PVC SHEATHED)

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

Specification : SPLN 43-2-1994
SNI. 04-2700-1999
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	6	re/rm	1/7	1.0	1.8	19.2	859	500	Drum
4	10	re/rm	1/7	1.0	1.8	21.2	1089	500	Drum
4	16	rm	7	1.0	1.8	25.9	1637	500	Drum
4	25	rm	7	1.2	1.8	30.0	2244	500	Drum
4	35	rm	7	1.2	1.9	32.9	2781	500	Drum
4	50	sm	19	1.4	2.0	33.1	2992	500	Drum
4	70	sm	19	1.4	2.1	36.1	3896	500	Drum
4	95	sm	19	1.6	2.3	41.0	5057	500	Drum
4	120	sm	37	1.6	2.4	43.9	6138	500	Drum
4	150	sm	37	1.8	2.6	48.8	7451	300	Drum
4	185	sm	37	2.0	2.8	52.7	9124	300	Drum
4	240	sm	37	2.2	3.0	59.8	12108	200	Drum
4	300	sm	37	2.4	3.2	68.3	14720	200	Drum
4	400	sm	37	2.6	3.5	78.4	18239	200	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	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
4	50	0.387	20	165	160	5.80	3.5
4	70	0.268	20	205	200	8.12	3.5
4	95	0.193	20	245	245	11.02	3.5
4	120	0.153	20	280	285	13.92	3.5
4	150	0.124	20	315	325	17.40	3.5
4	185	0.0991	20	355	370	21.46	3.5
4	240	0.0754	20	415	435	27.84	3.5
4	300	0.0601	20	465	500	34.5	3.5
4	400	0.0470	20	535	600	46.0	3.5

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

FIVE CORES, ARMoured CABLE

(COPPER CONDUCTOR, PVC INSULATED FLAT STEEL WIRE ARMoured AND PVC SHEATHED)

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

Specification : SPLN 43-2-1994
 SNI. 04-2700-1999
 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	-
5	4	re/rm	1/7	1.0	1.8	19.1	749	500	Drum
5	6	re/rm	1/7	1.0	1.8	19.6	1052	500	Drum
5	10	re/rm	1/7	1.0	2.0	20.1	1340	500	Drum
5	16	rm	7	1.0	2.0	28.1	1851	500	Drum
5	25	rm	7	1.2	2.0	32.4	2640	500	Drum
5	35	rm	7	1.2	2.0	36.3	3190	500	Drum
5	50	sm	19	1.4	2.2	41.2	4293	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
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
5	50	0.387	20	165	160	5.80	3.5

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