

## PHYSICAL PROPERTIES

No. of Cores	Size	Conductor		Insulation Thickness	Approx Inner covering	Sheath Thickness	Approx Overall Diameter	Approx. Cable Weight	Standard Length	Packing
		Construction	No. of Wire							
-	mm <sup>2</sup>	-	-	mm	mm	mm	mm	kg/mm	m	-
2	6	re/rm	1/(7)	1.0	0.8	1.8	17.0	480	500/1000	Drum
	10	re/rm	1/(7)	1.0	0.8	1.8	20.0	700	500/1000	Drum
	16	re/rm	1/(7)	1.0	0.8	1.8	21.0	800	500	Drum
	25	rm	7	1.2	1.2	2.0	25.5	1200	500	Drum
	35	rm	7	1.2	1.2	2.0	27.5	1530	500	Drum
	50	rm/sm	19	1.4	1.2	2.0	32.0	2000	500	Drum
	70	rm/sm	19	1.4	1.2	2.0	38.0	2290	500	Drum
	95	rm/sm	19	1.6	1.2	2.0	39.0	3380	500	Drum
	120	rm/sm	37	1.6	1.5	2.2	43.0	3960	500	Drum
150	rm/sm	37	1.8	1.5	2.2	47.0	4490	500	Drum	
3	4	re/rm	1/(7)	1.0	0.8	1.8	18.0	500	500/1000	Drum
	6	re/rm	1/(7)	1.0	0.8	1.8	19.0	600	500/1000	Drum
	10	re/rm	1/(7)	1.0	0.8	1.8	21.0	800	500	Drum
	16	re/rm	1/(7)	1.0	1.2	1.8	23.0	1150	500	Drum
	25	rm	7	1.2	1.2	2.0	27.0	1550	500	Drum
	35	rm	7	1.2	1.2	2.0	30.0	1950	500	Drum
	50	rm/sm	19	1.4	1.2	2.2	34.0	2260	500	Drum
	70	rm/sm	19	1.4	1.2	2.2	39.0	2860	500	Drum
	95	rm/sm	19	1.6	1.2	2.2	45.0	3900	500	Drum
120	rm/sm	37	1.6	1.8	2.2	49.0	4900	500	Drum	
150	rm/sm	37	1.8	1.8	2.6	54.0	5890	500	Drum	
4	2.5	re/rm	1/(7)	0.9	0.8	1.8	16.5	440	500/1000	Drum
	4	re/rm	1/(7)	1.0	0.8	1.8	18.0	550	500/1000	Drum
	6	re/rm	1/(7)	1.0	0.8	1.8	20.0	660	500/1000	Drum
	10	rm/rm	1/(7)	1.0	0.8	1.8	22.0	950	500	Drum
	16	rm	7	1.0	1.2	2.0	25.0	1400	500	Drum
	25	rm	7	1.2	1.2	2.0	30.0	1900	500	Drum
	35	rm	7	1.2	1.2	2.0	32.5	2400	500	Drum
	50	rm/sm	19	1.4	1.5	2.2	39.0	2950	500	Drum
	70	rm/sm	19	1.4	1.5	2.2	43.0	3900	500	Drum
95	rm/sm	19	1.6	1.5	2.2	48.0	5050	500	Drum	
120	rm/sm	37	1.6	1.5	2.6	53.0	6300	500	Drum	
150	rm/sm	37	1.8	1.8	2.6	59.0	7650	500	Drum	

## ELECTRICAL PROPERTIES

No of Cores	Size	Resistance at 20° C		Current Carrying capacity		Short Circuit Current at 1 Sec	AC Voltage Test	
		Conductor	Insulation	in ground at 30°c	in air at 30°c			
-	mm <sup>2</sup>	Ω/km	M.Ω.km	A	A	kA	kV/5 min	
2	6	3.080	44	52	44	0.70	3.5	
	10	1.830	36	68	60	1.16	3.5	
	16	1.150	26	89	80	1.86	3.5	
	25	0.727	26	116	105	2.91	3.5	
	35	0.524	22	138	130	4.07	3.5	
	50	0.387	22	165	160	5.81	3.5	
	70	0.268	19	205	200	8.14	3.5	
	95	0.193	18	245	245	11.05	3.5	
	120	0.153	16	280	285	13.95	3.5	
	150	0.124	16	315	325	17.44	3.5	
	3	4	4.610	4.6100	41	34	0.46	3.5
		6	3.080	3.0800	52	44	0.70	3.5
		10	1.830	1.8300	68	60	1.16	3.5
		16	1.150	0.1500	89	80	1.86	3.5
		25	0.727	0.7270	116	105	2.91	3.5
35		0.524	0.5240	138	130	4.07	3.5	
50		0.387	0.3870	165	160	5.81	3.5	
70		0.268	0.2680	205	200	8.14	3.5	
95		0.193	0.1930	245	245	11.05	3.5	
120		0.153	0.1530	280	285	13.95	3.5	
150		0.124	0.1240	315	325	17.44	3.5	
4		2.5	7.410	57	32	25	0.29	3.5
		4	4.610	52	41	34	0.46	3.5
		6	3.080	44	52	44	0.70	3.5
		10	1.830	57	69	60	1.16	3.5
	16	1.150	52	89	80	1.86	3.5	
	25	0.727	44	116	105	2.91	3.5	
	35	0.524	57	138	130	4.07	3.5	
	50	0.387	52	165	160	5.81	3.5	
	70	0.268	44	205	200	8.14	3.5	
	95	0.193	57	245	245	11.05	3.5	
	120	0.153	52	280	285	13.95	3.5	
	150	0.124	44	315	325	17.44	3.5	



Type of Cable:  
**NYBY**

Rated Voltage:  
**0.6/1kV**

Specification:  
**SPLN 43-3 : 1981**  
(Other specifications are available upon request)

**CLASSIFICATION**  
Low Voltage Cables.

**APPLICATION**  
Indoor and outdoor installation direct burial preferably used where considerable mechanical stress must be envisaged.

### CONSTRUCTION

#### Conductor

Solid or stranded annealed copper conductor.

#### Insulation

Extruded colored PVC, capable for continuous operation at maximum cable's temperature.

#### Inner Sheath

Extruded Black PVC Filler.

#### Armor

Double galvanized steel tape applied helically overlap.

#### Identification of cores

Complying with System O / I (Other colors on request).