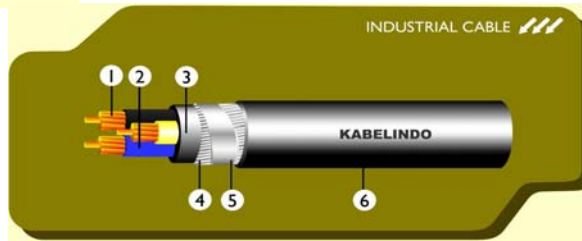


**NYRGbY 0.6/1 kV**

**CONTROL CABLE**  
Copper Conductor, PVC Insulated,SWA, PVC Sheathed



- 1. Conductor : Annealed Copper wire
- 2. Insulation : Extruded PVC
- 3. Filler : Extruded PVC
- 4/5. Armour : Galvanized Round Steel and tape
- 6. Sheath : Extruded PVC

**PVC LOW VOLTAGE CABLE**

**TECHNICAL DATA**

**Spec** Specification : SPLN 43 -2 : 1994,  
IEC 60502 - 1 : 1997

**APL** Multicores power and control cable used for indoor and outdoor installation direct burial

**Cu** Conductor Shape : re = Circular Solid  
rm = Circular Stranded

**dcv** DC Test Voltage : 8,5 kV for 5 minute

**DIMENSIONAL DATA**

**CONTROL CABLE 6 mm<sup>2</sup>**

Number Of Cores	No. of wire and Shaped Of Conductor		Nominal Thickness		Approximately		Min. Bending Diameter	Std. Length per reel
			Insulation	Outer Sheath	Overall Diameter	Net. Weight		
pcs	pcs	shape	mm	mm	mm	kg/km	mm	m
7	1	re	1	1.8	23.7	1386	427	1000
	7	rm			24.8	1489	446	
8	1	re			25.2	1542	454	
	7	rm			26.5	1652	477	
10	1	re			28.4	1862	511	
	7	rm			29.9	1987	538	
12	1	re			29.4	2039	529	
	7	rm			30.9	2175	556	
14	1	re			30.6	2275	551	
	7	rm			32.2	2426	580	
16	1	re		32.1	2497	578		
	7	rm		33.9	2677	610		
19	1	re		2	33.6	2773	605	500
	7	rm			35.4	2969	637	
21	1	re		2.1	36.5	3280	657	
	7	rm			38.5	3498	693	
24	1	re		2.2	39.9	3708	718	
	7	rm			42.1	3947	758	
30	1	re		2.3	42.1	4282	758	
	7	rm			44.5	4582	801	
40	1	re	2.5	48.2	5754	868		
	7	rm		50.9	6129	916		
52	1	re	2.6	55.1	7128	992		
	7	rm		59.3	8058	1067		
61	1	re		56.7	7851	1021		
	7	rm		61	8947	1098		

**ELECTRICAL DATA**

Number of Cores	DC Resistance at 20°C		Current Carrying Capacity at 30°C		Conductor Short Circuit Current Capacity at :			DC Voltage Test
	Conductor (Max)	Insulation (Min)	In Ground	In Air	0.1 second	0.5 second	1.0 second	
pcs	Ohm/km	M.ohm.km	A	A	kA	kA	kA	
7			42	34				
8			35	29				
10			33	26				
12			30	25				

14	3.08	50	28	23	2.69	1.20	0.85	8.5 kV for 5 minutes
16			27	22				
19			26	21				
21			25	20				
24			23	19				
30			23	19				
40			23	19				
52			23	19				
61			23	19				

