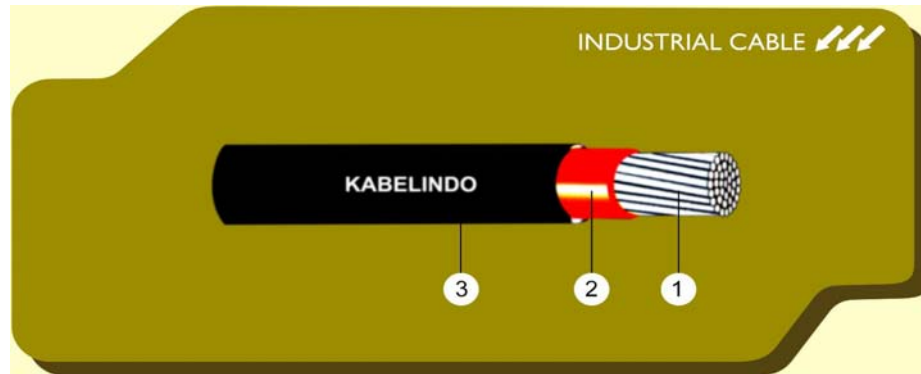


NAYY 0.6/1 kV

Aluminium Conductor, PVC Insulated, PVC Sheathed



- 1. Conductor : Aluminium Conductor
- 2. Insulation : PVC Insulation
- 3. Sheath : PVC Outer Sheath

PVC LOW VOLTAGE CABLE

TECHNICAL DATA

Spec Specification : SPLN 43 -1
IEC 60502 - 1 : 1997
VDE 0271

Cu Conductor Shape : rm = Stranded c
Non - Compa

DCV DC Test Voltage : 3,5 kV for 5 minu

APL Power cables for energy supply are installed in open, underground, indoors, in cable ducts, power stations, for industry and distribution boards, in subscriber networks, where mechanical damages are not to be expected.

DIMENSIONAL & MECHANICAL DATA

SINGLE CORE

SIZE	No.of wire and Shaped Of Conductor		Nominal Thickness		Approximately		Min. Bending Diameter	Std. Delivery Length		
			Insulation	Outer Sheath	Overall Diameter	Net. Weight				
mm ²	pcs	shape	mm	mm	mm	kg/km	mm	m		
25	7	rm	1.2	1.4	12	191	240	1000		
35					14	235	280			
50					15	297	300			
70	19		1.4		17	384	340			
95					20	524	400			
120					21	613	420			
150	37		1.8	1.6	23	737	460			
185					2.0	1.8	26		912	520
240							29		1,160	580
300	61		2.2	1.9	32	1,433	640			
400		2.6			2.0	36	1,786	720		
500						40	2,206	800		
630	91	2.8	2.1	44	2,710	880				
800				2.2	2.5	48	3,335	960		

ELECTRICAL DATA

SIZE	DC Resistance at 20°C		Current Carrying Capacity at 30°C		Conductor Short Circuit Current Capacity at :			AC Voltage Test
	Conductor (Max)	Insulation (Min)	In Ground	In Air	0.1 second	0.5 second	1.0 second	
mm ²	Ohm/km	M.ohm.km	A	A	kA	kA	kA	Kv/5 min.
25	1.20	40	95	87	6.01	2.69	1.90	3.5
35	0.868		114	107	8.41	3.76	2.66	
50	0.641	30	136	131	12.0	5.37	3.80	
70	0.443		167	166	16.8	7.52	5.32	
95	0.320		200	205	22.8	10.2	7.22	
120	0.253	20	228	239	28.8	12.9	9.12	
150	0.206		256	273	36.0	16.1	11.4	
185	0.164		290	317	44.5	19.9	14.1	
240	0.125		338	378	57.7	25.8	18.2	
300	0.100		383	437	72.1	32.2	22.8	
400	0.0778		438	513	81.0	36.2	25.6	
500	0.0605		502	600	102.8	46.0	32.5	
630	0.0469		572	701	129.5	57.9	41.0	
800	0.0367	644	809	159.4	71.3	50.4		