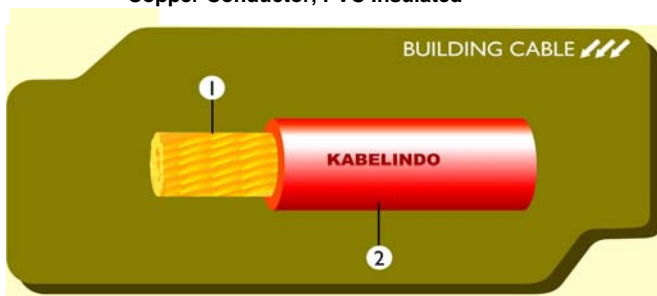


NYAF 450/750 V

Copper Conductor, PVC Insulated



- 1. Conductor : Annealed Flexible Copper wire
- 2. Insulation : Extruded

PVC LOW VOLTAGE CABLE

TECHNICAL DATA

- Spec** Specification : SPLN 42 - 3 : 1992,
IEC 60502 - 1 : 1997
- APL** Used for permanent installation in conduit or exposed in certain conditions
- Cu** Flexible Copper Wire
- DCV** DC Test Voltage : 6 kV for 5 minute

DIMENSIONAL DATA

1 CORE

SIZE	Number of Wire and Diameter Of Wire	Nominal Insulation Thickness	Approximately		Min. Bending Diameter	Std. Length per reel
			Overall Diameter	Net. Weight		
mm ²	pcs / mm	mm	mm	kg/km	mm	m
1.5	30 / 0.25	0.7	3.1	22	56	100 / Coil
2.5	50 / 0.25		3.7	35	67	
4	56 / 0.30		4.3	50	77	
6	84 / 0.30	1	5.3	79	95	
10	84 / 0.40		7	137	126	
16	126 / 0.40		8	194	144	
25	196 / 0.40	1.2	10	298	180	1000
35	278 / 0.40		11.3	399	203	
50	398 / 0.40	1.4	13.6	570	245	
70	360 / 0.50		15.7	784	283	
95	475 / 0.50	1.6	18	1033	324	
120	608 / 0.50		20	1301	360	
150	760 / 0.50	1.8	22.3	1626	401	
185	925 / 0.50		24.7	1962	445	
240	1221 / 0.50	2.2	28.2	2575	508	
300	1517 / 0.50	2.4	31.7	3170	571	

ELECTRICAL DATA

SIZE	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 Air	In Pipe	0.1 second	0.5 second	1.0 second	
mm ²	Ohm/km	M.ohm.km	A	A	kA	kA	kA	
1.5	12.1	50	24	15	0.67	0.30	0.21	6 Kv for 5 minutes
2.5	7.41		32	20	1.12	0.50	0.36	
4	4.61		41	25	1.80	0.80	0.57	
6	3.08		53	33	2.69	1.20	0.85	
10	1.83		72	45	4.49	2.01	1.42	
16	1.15	40	97	61	7.18	3.21	2.27	
25	0.727		128	82	11.23	5.02	3.55	
35	0.524		156	102	15.72	7.03	4.97	
50	0.387	30	195	131	22.45	10.04	7.10	
70	0.268		243	164	31.43	14.06	9.94	
95	0.193		287	205	42.66	19.08	13.49	
120	0.153	20	342	233	53.89	24.10	17.04	
150	0.124		386	-	67.36	30.12	21.30	
185	0.0991		441	-	83.07	37.15	26.27	
240	0.0754		525	-	107.77	48.20	34.08	
300	0.0601		605	-	134.71	60.25	42.60	