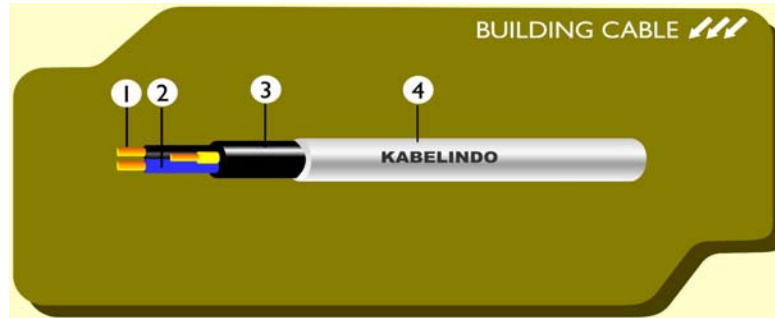


NYM 500 V

Copper Conductor, PVC Insulated, PVC Sheathed



- 1. Conductor : Annealed Copper wire
- 2. Insulation : Extruded PVC
- 3. Filler : Extruded PVC
- 4. Sheath : Extruded PVC

PVC LOW VOLTAGE CABLE

TECHNICAL DATA

SPEC Specification : SPLN 42 - 2 : 1992,
IEC 60502 - 1 : 1997

APL Used for permanent installation in conduit exposed wiring in dry location

Cu Conductor Shape : re = Circular S
rm = Circular Stran

DCV DC Test Voltage : 5 kV for 5 minu

DIMENSIONAL DATA

4 CORES

SIZE	No. of wire and Diameter Of wire		Nominal Thickness		Approximately		Min. Bending Diameter	Std. Length per reel
			Insulation	Outer Sheath	Overall Diameter	Net. Weight		
mm ²	pcs	shape	mm	mm	mm	kg/km	mm	m
1.5	1	re	0.7	1.2	9.9	159	178	Coil @ 100
	7	rm			10.3	169	185	
2.5	1	re	0.8		10.9	214	196	
	7	rm			11.5	230	207	
4	1	re	1.4	12.9	313	232	1000	
	7	rm		13.6	338	245		
6	1	re		1	14.1	411		254
	7	rm			15	446		270
10	7	rm	1.2	1.6	18.5	701		333
16	7	rm			21	987		378
25	7	rm	1.2	1.6	25.9	1530	466	
35	7	rm			28.9	2014	520	

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)	at 30°C	at 40°C	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	19	16	0.67	0.30	0.21	5000 V for 5 minutes
2.5	7.41		25	22	1.12	0.50	0.36	
4	4.61		34	30	1.80	0.80	0.57	
6	3.08		44	39	2.69	1.20	0.85	
10	1.83		61	53	4.49	2.01	1.42	
16	1.15	40	82	71	7.18	3.21	2.27	
25	0.727		108	94	11.23	5.02	3.55	
35	0.524		134	117	15.72	7.03	4.97	

