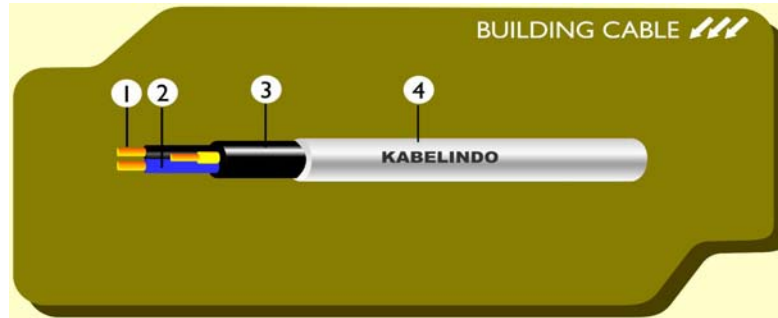


NYM 500 V

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 Solid
rm = Circular Stranded

DCV DC Test Voltage : 5 kV for 5 minute

DIMENSIONAL DATA

5 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	10.7	189	193	Coil @ 100	
	7	rm			11.1	201	200		
2.5	1	re	0.8	1.4	11.8	256	212		1000
	7	rm			12.5	276	225		
4	1	re	1	1.6	14	377	252		
	7	rm			14.8	407	266		
6	1	re	1.2	1.6	15.4	499	277		
	7	rm			16.4	540	295		
10	7	rm	1	1.6	20.2	854	364	1000	
16	7	rm	1.2	1.6	23	1208	414		
25	7	rm	1.2	1.6	28.3	1874	509		
35	7	rm	1.2	1.6	31.7	2471	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)	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	