

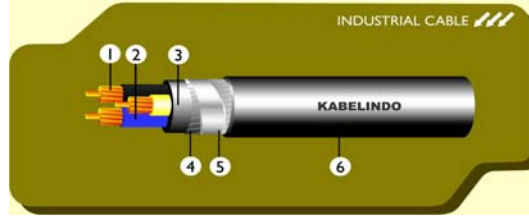
NYRGbY & NYFGbY - 0.6/1 kV

Copper Conductor, PVC Insulated, Zinc-coated Round or Flat Steel Wire Armoured, PVC Sheathed

NYRGbY



NYFGbY



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

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LOW VOLTAGE PVC INSULATED CABLE

TECHNICAL DATA

Spec Specification : SPLN 43-2 , IEC 60502

Cu Conductor Shape : rm = Circular Stranded
sm = Shaped stranded

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

DIMENSIONAL DATA

4 CORES

Size	No. Of Wire and shaped Of Conductor		Nominal Thickness			Approximately			Min. Bending Diameter	Std. Length per reel
			Insulation	Rd & Flat St. wire Arm.	Outer Sheath	Inner S. Diameter	Overall Diameter	Net. Weight		
(mm ²)	pcs	shape	(mm)	(mm)	(mm)	(mm)	(mm)	(kg / km)	(mm)	(m)
NYRGbY										
10	7	rm	1.0	0.9	1.8	16.7	23	1.177	280	1.000
16				1.6		19.3	27	1.807	330	
25			1.2	23.4	32	2.467	390			
35			1.9	26.1	34	3.021	410			
50	19	sm	1.4	2.0	2.1	27.8	37	3.731	450	
70				2.2	31.2	41	4.730	500		
95	37	sm	1.6	2.5	2.4	35.2	46	6.427	560	
120					2.5	39.0	50	7.667	600	
150					1.8	2.7	43.4	55	9.168	660
185					2.0	2.9	47.6	60	11.034	720
240					2.2	3.1	53.5	66	13.817	800
300					2.4	3.3	58.9	72	16.702	870
NYFGbY										
16	7	rm	1.0	0.8	1.8	19.3	26	1.567	320	1.000
25			1.2			23.4	30	2.176	360	
35			1.9			26.1	33	2.691	400	
50	19	sm	1.4		2.0	27.8	35	3.141	420	
70					2.1	31.2	38	4.086	460	
95	37	sm	1.6		0.8	2.3	35.2	43	5.352	
120				2.4		39.0	47	6.506	570	
150				1.8		2.6	43.4	51	7.885	620
185				2.0		2.8	47.6	56	9.624	680
240				2.2		3.0	53.5	62	12.232	750
300				2.4		3.2	58.9	68	14.978	820

ELECTRICAL DATA

Size	Resistance at 20°C		Current Carrying Capacity at 30°C		Conductor Short Circuit
	Conductor	Insulation	In Ground	In Air	Current Capacity at

TABEL LOW VOLTAGE PVC INSULATED CABLE Hal 20.xls

	DC.max.	Minimum	in-ground	in-air	0.1 sec	0.5 sec	1.0 sec
(mm ²)	Ohm/km	M. Ohm.km	A	A	kA	kA	kA
10	1.83	50	68	59	3.69	1.68	1.20
16	1.15	40	88	79	5.89	2.67	1.91
25	0.727		115	104	9.18	4.15	2.96
35	0.524		136	129	12.83	5.79	4.13
50	0.387	30	163	158	18.30	8.25	5.87
70	0.268		203	198	25.60	11.53	8.19
95	0.193		242	242	34.71	15.61	11.09
120	0.153	20	282	282	43.82	19.70	13.98
150	0.124		312	322	54.75	24.60	17.46
185	0.0991		351	366	67.50	30.32	21.50
240	0.0754		411	430	87.54	39.29	27.86
300	0.0601		460	495	109.39	49.08	34.79

