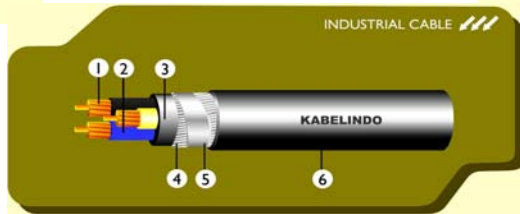


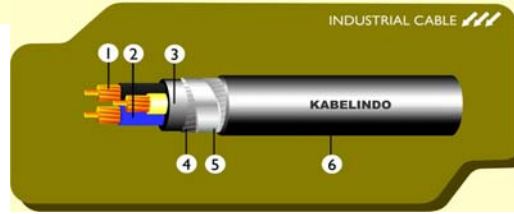
**NYRGbY & NYFGbY - 0.6/1 kV**

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 ar
- 6. Sheath : Extruded PVC

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

**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**

**3** CORES + **1** GROUND

Size Phase + Neutral (mm <sup>2</sup> )	No. Of Wire and shaped Of Conductor pcs shape		Nominal Thickness			Approximately			Min. Bending Diameter (mm)	Std. Length per reel (m)
			Insulation (mm)	Rd & Flat St. wire Arm. (mm)	Outer Sheath (mm)	Inner S. Diameter (mm)	Overall Diameter (mm)	Net. Weight (kg / km)		
<b>NYRGbY</b>										
50+25	19/7	sm/rm	1.4/1.2	2.0	2.0	27.4	37	3.420	450	1.000
70+35					2.1	31.2	41	4.369	500	
95+50	19/19		1.6/1.4	2.5	2.2	35.2	45	5.545	540	500
120+70					2.3	39.0	50	7.105	600	
150+70	37/19		1.8/1.4	2.5	2.5	43.4	55	8.316	660	
185+95					2.6	47.2	59	9.986	710	
240+120	37/37	2.2/1.6	2.5	2.8	53.5	65	12.477	780		
300+150				3.0	58.9	71	15.026	860	200	
<b>NYFGbY</b>										
50+25	19/7	sm/rm	1.4/1.2	0.8	2.0	27.4	34	2.847	410	1.000
70+35					2.1	31.2	38	3.746	460	
95+50	19/19		1.6/1.4	0.8	2.2	35.2	42	4.848	510	500
120+70					2.3	39.0	46	5.971	560	
150+70	37/19		1.8/1.4	0.8	2.5	43.4	51	7.061	620	
185+95					2.6	47.2	55	8.584	660	
240+120	37/37	2.2/1.6	0.8	2.8	53.5	62	10.927	750		
300+150				3.0	58.9	68	13.340	820	200	

**ELECTRICAL DATA**

Size Phase + Neutral (mm <sup>2</sup> )	Resistance at 20°C		Current Carrying Capacity at 30°C		Conductor Short Circuit		
	Conductor DC.max. Ohm/km	Insulation Minimum M.Ohm.km	In Ground A	In Air A	Current Capacity at		
					0.1 sec kA	0.5 sec kA	1.0 sec kA
50+25	0.387/0.72	30	163	158	18.30	8.25	5.87
70+35	0.268/0.52		203	198	25.60	11.53	8.19
95+50	0.193/0.38		242	242	34.71	15.61	11.09
120+70	0.153/0.26		282	282	43.82	19.70	13.98
150+70	0.124/0.26		312	322	54.75	24.60	17.46
185+95	0.0991/0.19		20	351	366	67.50	30.32
240+120	0.0754/0.15	411		430	87.54	39.29	27.86
300+150	0.0601/0.12	460		495	109.39	49.08	34.79