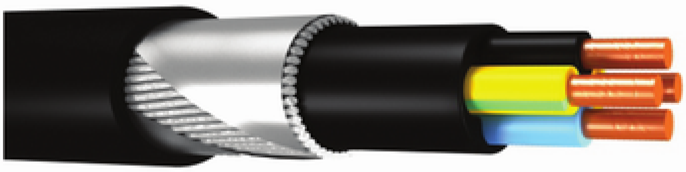
NYRGbY

Cu/PVC/SWA + STA/PVC 600/1000 V

FIRSTCABLE



Construction

- Annealed Bare Copper Conductor
- Extruded PVC Insulated
- PVC Inner Sheath
- Steel Wire Armour
- PVC Outer Sheath, black colour
- Flame Retardancy : IEC-60332-1
- Standard : IEC-60502-1 : 2009

(other specifications are available on request : tinned copper conductor, flame retardancy to IEC 60332-cat.A/B/C, low smoke halogen free, heat resistant, oil resistant, hydrocarbon resistant, anti termite, anti rodent)

Application

- Use as power cable, installed indoor, outdoor and direct burial with mechanical stress.

Construction and Electrical Data

Number of Cores & Nom. Cross Section Area	Overall Diameter	Cable Weight	Conductor		Inductance	Current - Carrying Capacity at 30°C		Short circuit current at 1 sec
			DC Resistance at 20°C	AC Resistance at 90°C		in air	in ground	
	approx.	approx.	Max.	Max.		Max.	Max.	Max.
(mm^2)	(mm)	(kg/km)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
2 x 1.5	14.5	432	12.10	14.478	0.351	24	27	0.17
2 x 2.5	15.3	489	7.41	8.866	0.315	32	36	0.29
2 x 4	17.7	703	4.61	5.516	0.303	42	48	0.46
2 x 6	18.7	790	3.08	3.685	0.288	53	61	0.69
2 x 10	20.3	962	1.83	2.190	0.269	73	81	1.15
3 x 1.5	15.0	469	12.10	14.478	0.351	24	27	0.17
3 x 2.5	15.9	535	7.41	8.866	0.315	32	36	0.29
3 x 4	18.4	768	4.61	5.516	0.303	42	48	0.46
3 x 6	19.5	887	3.08	3.685	0.288	53	61	0.69
3 x 10	21.2	1097	1.83	2.190	0.269	73	81	1.15
4 x 1.5	15.8	521	12.10	14.478	0.351	24	27	0.17
4 x 2.5	17.6	708	7.41	8.866	0.315	32	36	0.29
4 x 4	19.5	867	4.61	5.516	0.303	42	48	0.46
4 x 6	20.7	1009	3.08	3.685	0.288	53	61	0.69
4 x 10	23.3	1393	1.83	2.190	0.269	73	81	1.15
5 x 1.5	17.5	688	12.10	14.478	0.351	24	27	0.17
5 x 2.5	18.6	782	7.41	8.866	0.315	32	36	0.29
5 x 4	20.7	983	4.61	5.516	0.303	42	48	0.46
5 x 6	22.8	1275	3.08	3.685	0.288	53	61	0.69
5 x 10	24.9	1600	1.83	2.190	0.269	73	81	1.15

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Construction and Electrical Data

Number of Cores & Nom. Cross Section Area (RM)	Overall Diameter	Cable Weight	Conductor		Insulation	Current - Carrying Capacity at 30°C		Short circuit current at 1 sec	Standard Length per Drum
			DC Resistance at 20°C	AC Resistance at 70°C	Insulation Resistance at 20°C	in air	in ground		
	approx.	approx.	Max.	Max.	Min.	Max.	Max.	Max.	Max.
(mm^2)	(mm)	(kg/km)	(Ω/km)	(Ω/km)	(M.Ω./km)	(A)	(A)	(kA)	(m)
7 x 1.5	18.4	755	12.10	14.478	50	13	17	0.21	1000
7 x 2.5	19.6	886	7.41	8.866	50	21	26	0.36	1000
10 x 1.5	22.7	1125	12.10	14.478	50	11	15	0.21	1000
10 x 2.5	24.4	1328	7.41	8.866	50	17	21	0.36	1000
12 x 1.5	22.7	1147	12.10	14.478	50	11	14	0.21	1000
12 x 2.5	24.4	1364	7.41	8.866	50	16	20	0.36	1000
14 x 1.5	23.5	1247	12.10	14.478	50	10	13	0.21	1000
14 x 2.5	25.4	1465	7.41	8.866	50	15	18	0.36	1000
16 x 1.5	22.9	1072	12.10	14.478	50	10	12	0.21	1000
16 x 2.5	26.4	1588	7.41	8.866	50	14	17	0.36	1000
19 x 1.5	25.4	1461	12.10	14.478	50	9	12	0.21	1000
19 x 2.5	27.5	1737	7.41	8.866	50	13	17	0.36	1000
21 x 1.5	26.1	1476	12.10	14.478	50	9	11	0.21	1000
21 x 2.5	28.7	1863	7.41	8.866	50	12	16	0.36	1000
24 x 1.5	29.4	1796	12.10	14.478	50	8	11	0.21	1000
24 x 2.5	31.3	2109	7.41	8.866	50	11	15	0.36	1000
30 x 1.5	29.5	1861	12.10	14.478	50	8	11	0.21	1000
30 x 2.5	32.8	2398	7.41	8.866	50	11	14	0.36	1000
40 x 1.5	32.5	2242	12.10	14.478	50	8	11	0.21	1000
40 x 2.5	37.3	3167	7.41	8.866	50	11	14	0.36	1000
52 x 1.5	38.4	3051	12.10	14.478	50	8	11	0.21	1000
52 x 2.5	42.9	3965	7.41	8.866	50	11	14	0.36	1000
61 x 1.5	39.4	3308	12.10	14.478	50	8	11	0.21	1000
61 x 2.5	44.1	4356	7.41	8.866	50	11	14	0.36	1000