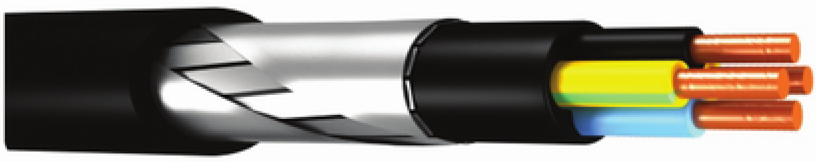
NYFGbY

Cu / PVC / SFA / PVC 600 / 1000 V

FIRSTCABLE



Construction

- Annealed Bare Copper Conductor
- Extruded PVC Insulated
- PVC Inner Sheath
- Galvanized Steel Tape and Steel Flat 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	21.2	880	12.1000	14.478	0.351	24	27	0.17
2 x 2.5	21.2	894	7.4100	8.866	0.315	32	36	0.29
2 x 4.0	21.2	917	4.6100	5.516	0.303	42	48	0.46
2 x 6.0	21.2	942	3.0800	3.685	0.288	53	61	0.69
2 x 10.0	21.2	994	1.8300	2.190	0.269	73	81	1.15
2 x 16.0	22.6	1186	1.1500	1.376	0.255	96	106	1.84
2 x 25.0	25.9	1591	0.7270	0.870	0.255	126	136	2.88
2 x 35.0	28.5	1942	0.5240	0.627	0.246	155	164	4.03
2 x 50.0	32.4	2467	0.3870	0.464	0.247	186	194	5.75
2 x70.0	36.4	3177	0.2680	0.321	0.238	235	239	8.05
2 x 95.0	41.0	4187	0.1930	0.232	0.238	286	284	10.93
2 x 120.0	44.8	4899	0.1530	0.184	0.233	331	324	13.80
2 x 150.0	49.5	5959	0.1240	0.150	0.233	377	364	17.25
2 x 185.0	54.6	7255	0.0991	0.121	0.233	430	408	21.28
2 x 240.0	61.4	9166	0.0754	0.093	0.232	507	472	27.60
2 x 300.0	67.0	11139	0.0601	0.075	0.231	577	530	34.50

Construction and Electrical Data

Number of Cores & Nom. Cross Section Area	Overall Diameter	Cable Weight	Conductor DC Resistance at 20°C	Conductor AC Resistance at 90°C	Inductance	Current - Carrying Capacity at 30°C in air	Current - Carrying Capacity at 30°C in ground	Short circuit current at 1 sec
	approx.	approx.	Max.	Max.		Max.	Max.	Max.
(mm²)	(mm)	(kg/km)	(Ω/km)	(Ω/km)	(mH/km)	(A)	(A)	(kA)
3 x 1.5	21.1	885	12.1000	14.478	0.351	20	23	0.17
3 x 2.5	21.2	910	7.4100	8.866	0.315	27	31	0.29
3 x 4	21.2	944	4.6100	5.516	0.303	36	41	0.46
3 x 6	21.2	983	3.0800	3.685	0.288	45	52	0.69
3 x 10	21.4	1078	1.8300	2.190	0.269	62	69	1.15
3 x 16	23.7	1385	1.1500	1.376	0.255	82	90	1.84
3 x 25	27.3	1882	0.7270	0.870	0.255	108	116	2.88
3 x 35	30.1	2355	0.5240	0.627	0.246	133	139	4.03
3 x 50	34.9	3046	0.3870	0.464	0.247	166	171	5.75
3 x 70	38.7	3905	0.2680	0.321	0.238	208	209	8.05
3 x 95	44.3	5181	0.1930	0.232	0.238	255	250	10.93
3 x 120	48.2	6179	0.1530	0.184	0.233	295	284	13.80
3 x 150	52.7	7423	0.1240	0.150	0.233	337	318	17.25
3 x 185	58.6	9160	0.0991	0.121	0.233	387	359	21.28
3 x 240	65.7	11576	0.0754	0.093	0.232	457	414	27.60
3 x 300	72.3	14139	0.0601	0.075	0.231	523	466	34.50
4 x 1.5	21.2	898	12.1000	14.478	0.340	23	27	0.17
4 x 2.5	21.2	924	7.4100	8.866	0.315	31	36	0.29
4 x 4	21.2	967	4.6100	5.516	0.303	41	48	0.46
4 x 6	21.2	1017	3.0800	3.685	0.288	52	59	0.69
4 x 10	23.0	1286	1.8300	2.190	0.269	71	79	1.15
4 x 16	25.7	1643	1.1500	1.376	0.255	94	101	1.84
4 x 25	29.8	2256	0.7270	0.870	0.255	126	131	2.88
4 x 35	33.0	2879	0.5240	0.627	0.246	154	157	4.03
4 x 50	38.1	3731	0.3870	0.464	0.247	177	176	5.75
4 x 70	42.4	4815	0.2680	0.321	0.238	221	215	8.05
4 x 95	49.1	6495	0.1930	0.232	0.238	272	257	10.93
4 x 120	53.1	7681	0.1530	0.184	0.233	314	292	13.80
4 x 150	58.7	9387	0.1240	0.150	0.233	363	330	17.25
4 x 185	64.0	11445	0.0991	0.121	0.233	412	369	21.28
4 x 240	72.5	15211	0.0754	0.093	0.232	488	427	27.60
4 x 300	80.5	17927	0.0601	0.075	0.231	559	481	34.50
5 x 1.5	17.8	642	12.100	14.478	0.340	24	28	0.17
5 x 2.5	17.9	682	7.410	8.866	0.304	32	37	0.29
5 x 4	20.5	891	4.610	5.516	0.303	43	48	0.46
5 x 6	22.0	1056	3.080	3.685	0.288	54	60	0.69
5 x 10	24.5	1391	1.830	2.190	0.269	74	80	1.15
5 x 16	27.8	1940	1.150	1.376	0.255	97	103	1.84
5 x 25	32.6	2691	0.727	0.870	0.255	130	133	2.88
5 x 35	36.4	3461	0.524	0.627	0.246	160	159	4.03
5 x 50	41.7	4448	0.387	0.464	0.247	194	188	5.75

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	21.3	935	12.1000	14.478	50	13	17	0.21	1000
7 x 2.5	21.3	982	7.4100	8.866	50	21	26	0.36	1000
10 x 1.5	21.9	981	12.1000	14.478	50	11	15	0.21	1000
10 x 2.5	23.6	1157	7.4100	8.866	50	17	21	0.36	1000
12 x 1.5	21.9	1004	12.1000	14.478	50	11	14	0.21	1000
12 x 2.5	23.6	1195	7.4100	8.866	50	16	20	0.36	1000
14 x 1.5	22.8	1088	12.1000	14.478	50	10	13	0.21	1000
14 x 2.5	23.8	1441	7.4100	8.866	50	15	18	0.36	1000
16 x 1.5	22.5	1187	12.1000	14.478	50	10	12	0.21	1000
16 x 2.5	24.8	1536	7.4100	8.866	50	14	17	0.36	1000
19 x 1.5	24.7	1302	12.1000	14.478	50	9	12	0.21	1000
19 x 2.5	26.8	1581	7.4100	8.866	50	13	17	0.36	1000
21 x 1.5	26.0	1382	12.1000	14.478	50	9	11	0.21	1000
21 x 2.5	27.1	1916	7.4100	8.866	50	12	16	0.36	1000
24 x 1.5	29.0	1611	12.1000	14.478	50	8	11	0.21	1000
24 x 2.5	29.5	2127	7.4100	8.866	50	11	15	0.36	1000
30 x 1.5	27.9	1636	12.1000	14.478	50	8	11	0.21	1000
30 x 2.5	31.2	2514	7.4100	8.866	50	11	14	0.36	1000
40 x 1.5	31.0	1998	12.1000	14.478	50	8	11	0.21	1000
40 x 2.5	34.7	3310	7.4100	8.866	50	11	14	0.36	1000
52 x 1.5	35.8	2523	12.1000	14.478	50	8	11	0.21	1000
52 x 2.5	40.3	4201	7.4100	8.866	50	11	14	0.36	1000
61 x 1.5	37.0	2776	12.1000	14.478	50	8	11	0.21	1000
61 x 2.5	41.5	4596	7.4100	8.866	50	11	14	0.36	1000