

NYFGbY 3 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / SFWA / PVC

(Copper Conductor, PVC Insulated, Steel Flat Wire Armor, PVC Sheathed)

Standard Specification : IEC 60502-1

Construction Data

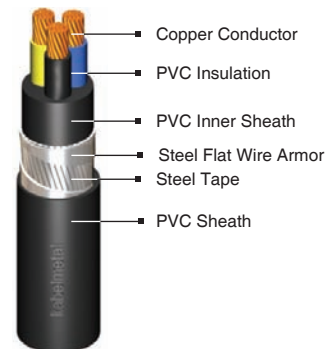
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	17.8	620
2.5	18.0	648
4	18.0	681
6	19.0	789
10	21.5	997
16	23.5	1,280
25	27.0	1,709
35	29.5	2,123
50	32.0	2,444
70	36.0	3,217
95	40.5	4,171
120	43.5	4,957
150	48.0	6,011
185	52.5	7,319
240	59.0	9,324
300	64.5	11,344

Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

Special Features on Request :

- Fire Resistance
- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen



Note :

Conductor Shape

1.5 - 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape

16 sqmm supplied in non compacted circular stranded (rm) conductor shape

25 - 35 sqmm supplied in compacted circular stranded (cm) conductor shape

50 - 300 sqmm supplied in sector shaped stranded (sm) conductor

Standard Packing

1.5 - 70 sqmm supplied in wooden drum @ 1000 m

95 - 300 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Inductance (mH/km)	Current - Carrying Capacity at 30°C *		Short circuit current at 1 sec (kA)
	DC Resistance at 20°C (Ω/km)	AC Resistance at 70°C (Ω/km)		Capacity		
				in air (A)	in ground (A)	
1.5	12.1	14.478	0.351	20	23	0.17
2.5	7.41	8.866	0.315	27	31	0.29
4	4.61	5.516	0.303	36	41	0.46
6	3.08	3.685	0.288	45	52	0.69
10	1.83	2.190	0.269	62	69	1.15
16	1.15	1.376	0.255	82	90	1.84
25	0.727	0.870	0.255	108	116	2.88
35	0.524	0.627	0.246	133	139	4.03
50	0.387	0.464	0.247	166	171	5.75
70	0.268	0.321	0.238	208	209	8.05
95	0.193	0.232	0.238	255	250	10.93
120	0.153	0.184	0.233	295	284	13.80
150	0.124	0.150	0.233	337	318	17.25
185	0.0991	0.121	0.233	387	359	21.28
240	0.0754	0.093	0.232	457	414	27.60
300	0.0601	0.075	0.231	523	466	34.50

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information