

NYFGbY 4 x (1.5-300) mm² 0.6/1 kV

Cu / PVC / SFWA / PVC

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

Standard Specification : IEC 60502-1

Construction Data

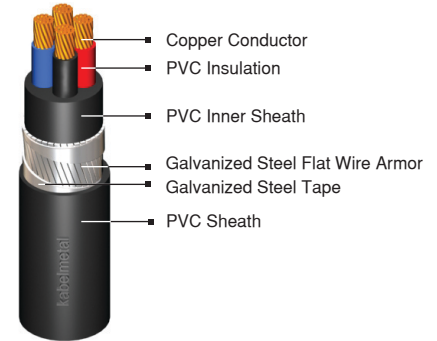
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
1.5	17.9	630
2.5	18.0	662
4	19.0	773
6	20.5	912
10	23.0	1,174
16	25.5	1,520
25	29.0	2,053
35	32.0	2,584
50	37.5	3,173
70	40.5	4,087
95	46.5	5,359
120	50.5	6,459
150	56.5	7,868
185	61.0	9,556
240	68.0	12,138
300	74.5	14,773

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 - 50 sqmm supplied in wooden drum @ 1000 m

70 - 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	AC Resistance at 70°C		in air	in ground	
1.5	12.1	14.478	0.340	23	27	0.17
2.5	7.41	8.866	0.315	31	36	0.29
4	4.61	5.516	0.303	41	48	0.46
6	3.08	3.685	0.288	52	59	0.69
10	1.83	2.190	0.269	71	79	1.15
16	1.15	1.376	0.255	94	101	1.84
25	0.727	0.870	0.255	126	131	2.88
35	0.524	0.627	0.246	154	157	4.03
50	0.387	0.464	0.247	177	176	5.75
70	0.268	0.321	0.238	221	215	8.05
95	0.193	0.232	0.238	272	257	10.93
120	0.153	0.184	0.233	314	292	13.80
150	0.124	0.150	0.233	363	330	17.25
185	0.0991	0.121	0.233	412	369	21.28
240	0.0754	0.093	0.232	488	427	27.60
300	0.0601	0.075	0.231	559	481	34.50

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