

NAYA 10 - 400 mm² 450/750 V AI / PVC

(Aluminium Conductor, PVC Insulated)

Adapted Specification : IEC 60227-1 : 2007 ; IEC 60228 : 2004

Construction Data

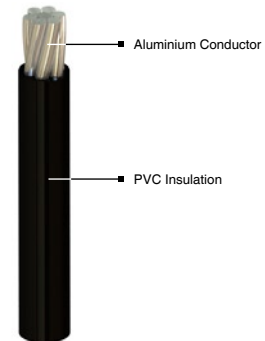
Nom. Cross Section Area	Overall Diameter	Cable Weight
	approx.	approx.
mm ²	mm	kg/km
10	6.2	54
16	7.3	77
25	9.0	117
35	10.1	153
50	12.2	210
70	13.7	271
95	16.0	374
120	17.7	452
150	19.7	559
185	22.0	696
240	25.1	903
300	27.9	1,119
400	31.3	1,410

APPLICATION :

For building wire installed in conduit in dry location, sometimes can be used as grounding conductor, inherently flame retardant in compliance with IEC 60332-1.

Special Features on Request

- Oil Resistance
- Flame Retardant Cat. A, B, C
- Heat Resistance
- Nylon Coated



Note :

Conductor Shaped

10 - 400 sqmm supplied in non compacted circular stranded (rm) conductor shape

Standard Packing

10 - 400 sqmm supplied in wooden drum @ 1000 m
Length Tolerance per drum ± 2%

Electrical Data

Nom. Cross Sect. (mm ²)	Conductor		Insulation	Inductance (mH/km)	Current-Carrying Capacity at 30°C *		Short circuit current at 1 sec Max. (kA)
	DC Resistance at 20°C	AC Resistance at 70°C	Insulation Resistance at 70°C		in pipe	in air	
					Max. (A)	Max. (A)	
10	3.08	3.701	0.0065	0.274	35	57	0.76
16	1.91	2.295	0.0050	0.258	48	77	1.22
25	1.20	1.442	0.0050	0.257	65	101	1.90
35	0.868	1.043	0.0040	0.249	80	123	2.66
50	0.641	0.771	0.0045	0.248	103	154	3.80
70	0.443	0.533	0.0035	0.239	129	191	5.32
95	0.320	0.385	0.0035	0.239	162	226	7.22
120	0.253	0.305	0.0032	0.235	184	269	9.12
150	0.206	0.249	0.0032	0.235	-	305	11.40
185	0.164	0.199	0.0032	0.235	-	348	14.06
240	0.125	0.152	0.0032	0.233	-	410	18.24
300	0.100	0.123	0.0030	0.232	-	473	22.80
400	0.0778	0.097	0.0028	0.229	-	566	30.40

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