

NYA

THERMOPLASTIC BUILDING WIRE (COPPER CONDUCTOR, PVC INSULATED)



Type of Cable : NYA
Rated Voltage : 450/750 Volt
Size Range : 1.5 mm² s/d 400 mm²
Specification : SPLN 42-1 : 1991
 SNI 04-2698-1999
 IEC 60227-3 IEC 01

Other Specification are available on request
Application : Permanent instalation
 in conduit or exposed wiring
 in dry location

Identification of Cores
 Green-yellow
 Yellow
 Black
 Light-blue
 Red

Construction :
 1. Copper Conductor
 2. PVC Insulated

THERMOPLASTIC BUILDING WIRE (COPPER CONDUCTOR, PVC INSULATED)

Type of Cable : NYA
Rated Voltage : 450/750 Volt

Specification : SPLN 42-1 : 1991
 SNI 04-0298 : 1999
 IEC 60227-3 IEC 01
 (other specifications are available on request)

CONSTRUCTION

Size mm ²	Conductor		Insulation Thickness mm	Approx Overall Diameter mm	Approx Net. Weight Kg/Km	Standard Length m	Packing
	Construction	No. of Wire					
1.5	re/rm	1/7	0.7	3.3/3.4	19	100	Coil
2.5	re/rm	1/7	0.8	3.9/4.2	31	100	Coil
4	re/rm	1/7	0.8	4.4/4.8	45	100	Coil
6	re/rm	1/7	0.8	4.9/5.4	65	100	Coil
10	re/rm	1/7	1.0	6.4/6.8	108	100	Coil
16	rm	7	1.0	8.0	175	1000	Drum
25	rm	7	1.2	9.8	273	1000	Drum
35	rm	7	1.2	11.0	367	1000	Drum
50	rm	19	1.4	13.0	523	1000	Drum
70	rm	19	1.4	15.0	692	1000	Drum
95	rm	19	1.6	17.0	962	1000	Drum
120	rm	37	1.6	19.0	1192	500	Drum
150	rm	37	1.8	21.0	1192	500	Drum
185	rm	37	2.0	23.5	1844	500	Drum
240	rm	61	2.2	26.5	2430	500	Drum
300	rm	61	2.4	29.5	3015	500	Drum
400	rm	61	2.6	33.5	3863	500	Drum

CHARACTERISTICS

Size mm ²	Resistance at 20°C		Current Carrying Capacity at 30°C		Short Circuit Current at 1 sec. KA	AC Voltage Test KV / 5 min
	Conductor Ohm / km	Insulation M.Ohm.km	In Pipe Amper	In Air Amper		
1.5	12.1	50	15	24	0.17	2.5
2.5	7.41	50	19	32	0.29	2.5
4	4.61	50	25	43	0.46	2.5
6	3.08	40	33	54	0.70	2.5
10	1.83	30	45	73	1.16	2.5
16	1.15	30	61	98	1.86	2.5
25	0.727	30	83	129	2.91	2.5
35	0.524	20	103	158	4.07	2.5
50	0.387	20	132	197	5.81	2.5
70	0.268	20	165	245	8.14	2.5
95	0.193	20	207	290	11.05	2.5
120	0.153	20	235	345	13.95	2.5
150	0.124	20	-	390	17.44	2.5
185	0.0991	20	-	445	21.51	2.5
240	0.0754	20	-	525	27.91	2.5
300	0.0601	20	-	605	34.88	2.5
400	0.0470	20	-	725	46.51	2.5

Note* : If site condition are different ratings should be multiplied by rating factors as show in table page 78-83