

NYAF

THERMOPLASTIC BUILDING WIRE (COPPER CONDUCTOR, PVC INSULATED)



Type of Cable : NYAF
Rated Voltage : 450/750 Volt
Size Range : 1.5 mm² ... 240 mm²
Specification : SPLN 42-3 : 1992
 SNI 04-6629.3 2006
 IEC. 60227-3 IEC. 02

Application : Permanent instalation
 in conduit or exposed wiring
 in dry location

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

Others colour are available on request

Construction :
 1. Flexible Copper Conductor
 2. PVC Insulated

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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	f	0.26	0.7	3.5	22	100	Coil
2.5	f	0.26	0.8	4.2	35	100	Coil
4	f	0.31	0.8	4.8	49	100	Coil
6	f	0.31	0.8	6.3	71	100	Coil
10	f	0.41	1.0	7.6	113	100	Coil
16	f	0.41	1.0	8.8	182	100	Coil
25	f	0.41	1.2	11.0	284	1000	Drum
35	f	0.41	1.2	12.5	388	1000	Drum
50	f	0.41	1.4	14.5	540	1000	Drum
70	f	0.51	1.4	17.0	735	1000	Drum
95	f	0.51	1.6	19.0	1014	1000	Drum
120	f	0.51	1.6	21.0	1236	500	Drum
150	f	0.51	1.8	23.5	1542	500	Drum
185	f	0.51	2.0	26.5	1870	500	Drum
240	f	0.51	2.2	29.5	2410	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	13.3	50	15	24	0.17	2.5
2.5	7.98	50	20	32	0.29	2.5
4	4.95	50	25	41	0.46	2.5
6	3.30	40	33	53	0.70	2.5
10	1.91	30	45	72	1.16	2.5
16	1.21	30	60	97	1.86	2.5
25	0.78	30	82	128	2.91	2.5
35	0.554	20	102	156	4.07	2.5
50	0.386	20	131	195	5.81	2.5
70	0.272	20	164	243	8.14	2.5
95	0.206	20	205	287	11.05	2.5
120	0.161	20	233	342	13.95	2.5
150	0.129	20	-	386	17.44	2.5
185	0.106	20	-	441	21.51	2.5
240	0.0801	20	-	520	27.91	2.5

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