

CU / PVC (NYA)

Copper Conductor, PVC Insulated

BUILDING WIRE 450 / 750 V

Standard Specification :

SPLN 42 - 1 : 1991
SNI 6629.3-2006

Application :

Permanent instalation in conduit
or Exposed wiring in dry location

Conductor Shape :

1.5 - 10 sqmm supplied in solid (re) or circular stranded (rm)
16 - 400 sqmm supplied in circular stranded (rm)

Standard Packing :

1.5 - 10 sqmm Coil System
16 - 400 sqmm Wooden Drum

Special Feature on Request



BUILDING WIRE

(Copper Conductor, PVC Insulated)

Standard SPLN 42 - 1 : 1991
SNI 6629.3-2006

CU / PVC (NYA)

Cable Construction

Size	Conductor		Insulation	Approx Overall	Approx
	Construction	No. of Wire	Thickness	Diameter	Net Weight
mm ²		n	mm	mm	kg / km
1.5	re	1	0.7	2.78	20
	rm	7	0.7	2.96	20
2.5	re	1	0.8	3.38	31
	rm	7	0.8	3.61	32
4	re	1	0.8	3.86	46
	rm	7	0.8	4.15	47
6	re	1	0.8	4.36	66
	rm	7	0.8	4.72	67
10	re	1	1.0	5.57	109
	rm	7	1.0	6.05	111
16	rm	7	1.0	7.1	177
25	rm	7	1.2	8.79	275
35	rm	7	1.2	9.96	375
50	rm	19	1.4	11.95	531
70	rm	19	1.4	13.65	730
95	rm	19	1.6	15.8	983
120	rm	37	1.6	17.41	1221
150	rm	37	1.8	19.49	1528
185	rm	37	2.0	21.64	1884
240	rm	61	2.2	24.56	2439
300	rm	61	2.4	27.3	3031
400	rm	61	2.6	31.21	4026

Cable Characteristics

Size Conductor	DC Resistance at 20°C		Current Carrying Capacity		Short Circuit Current at 1 sec.	AC Voltage Test
	Conductor at 20 deg.C	Insulation at 70 deg.C	at 30 deg.C			
			Max	Min		
mm ²	Ohm/Km	M. Ohm. Km	Amper	Amper	kA	kV / 5 min
1.5	12.1	0.010	15	24	0.17	2.5
2.5	7.41	0.009	20	32	0.29	2.5
4	4.61	0.0077	25	43	0.46	2.5
6	3.08	0.0070	33	54	0.69	2.5
10	1.83	0.0065	45	73	1.16	2.5
16	1.15	0.0050	61	98	1.86	2.5
25	0.727	0.0050	83	129	2.91	2.5
35	0.524	0.0040	103	158	4.07	2.5
50	0.387	0.0040	132	197	5.81	2.5
70	0.268	0.0035	165	245	8.14	2.5
95	0.193	0.0035	207	290	11.05	2.5
120	0.153	0.0032	235	345	13.95	2.5
150	0.124	0.0032		390	17.44	2.5
185	0.0991	0.0032		445	21.51	2.5
240	0.0754	0.0032		525	27.91	2.5
300	0.0601	0.0030		605	34.88	2.5
400	0.0470	0.0028		725	46.51	2.5