

# CU/PVC 450/750V (NYAF)

(Standard Specification: SNI 04-6629.3)

Single Core Flexible Copper Conductor PVC Insulated Cables

## Applications :

- Fixed internal wiring with low mechanical stress for electrical equipments, machineries, distribution panels, luminaires and other electrical appliances used in dry indoor premises, substitutes NYA.
- Permanent installation in conduit, inherently flame retardant in compliance with IEC 60332-1.



Cable Size (Conductor Area)	Conductor Make-up (No. of wire x Diameter)	DC Resistance at		Current Carrying Capacity in air 30°C	Short Circuit Current 1 Sec.	Insulation Thickness	Overall Diameter	Cable Weight	Standard Packing Length
		20°C Conductor	70°C Insulation						
nom. (mm <sup>2</sup> )	nom. (mm)	max. (ohm/km)	min. (Mohm.km)	max. (A)	max. (A)	nom. (mm)	approx. (mm)	approx. (kg/km)	(meter/ packing)
0.5	16 x 0.20	39.0	0.014	6	58	0.6	2.2	9	100/c
0.75	24 x 0.20	26.0	0.012	10	86	0.6	2.3	12	100/c
1.0	32 x 0.20	19.5	0.012	16	115	0.6	2.6	16	100/c
1.5	30 x 0.25	13.3	0.010	24	173	0.7	3.2	22	100/c
2.5	50 x 0.25	7.98	0.009	32	288	0.8	3.9	35	100/c
4	56 x 0.30	4.95	0.007	41	460	0.8	4.4	52	100/c
6	84 x 0.30	3.30	0.006	53	690	0.8	5.0	73	100/c
10	80 x 0.40	1.91	0.0056	72	1150	1.0	6.4	122	100/c
16	126 x 0.40	1.21	0.0046	97	1840	1.0	7.4	180	100/c
25	196 x 0.40	0.78	0.0044	128	2875	1.2	9.3	275	1000/d
35	276 x 0.40	0.554	0.0038	156	4025	1.2	10.5	374	1000/d
50	396 x 0.40	0.386	0.0037	195	5750	1.4	12.4	531	1000/d
70	360 x 0.50	0.272	0.0032	243	8050	1.4	14.2	735	1000/d
95	475 x 0.50	0.206	0.0032	287	10925	1.6	16.5	969	1000/d
120	608 x 0.50	0.161	0.0029	342	13800	1.8	18.5	1279	1000/d
150	756 x 0.50	0.129	0.0029	386	17250	1.8	20.3	1559	500/d
185	925 x 0.50	0.106	0.0029	441	21275	2.0	22.6	1899	500/d
240	1221 x 0.50	0.0801	0.0028	520	27600	2.2	25.7	2479	500/d
300	1530 x 0.50	0.0641	0.0028	605	34500	2.4	28.9	3089	500/d
400	2035 x 0.50	0.0486	0.0028	725	41200	2.6	32.3	4059	500/d

Cable sizes 1.5 - 240 mm<sup>2</sup> are specified in SNI 04-6629.3, while 0.5 - 1.0 mm<sup>2</sup> and 300 - 400 mm<sup>2</sup> are adapted from IEC 60227.3 & VDE 0295

Other sizes, colors and packing lengths are available upon request

Test Voltage : 2500 VAC/5 minutes, except for insulation thickness less than 0.7 mm (2000 VAC/5 minutes)

Colors available : Yellow/ Green, Blue, Black, Red, Brown, White or Yellow

Packing lengths : 100/c in coil @ 100 meter, 500-1000/d in non-returnable wooden drum @ 500-1000 meter

## Product range of metallic cables:

- Low Voltage Power Cables - building wire, twisted aerial or armored for underground
- Medium Voltage Power Cable - up to 18/30 kV, XLPE insulated
- Lead Sheathed Cables - protected against aggressive chemical substances
- Ship Wiring Cables - designed for civil and military ships
- Marine and Offshore Cables - for unique properties of offshore industrial application
- Rods and Overhead Conductors - for transmission lines and other industrial usage
- Instrumentation and Control Cables - for sensors and powered control signals
- Communication Cables - for outdoor and indoor telephone network