

CU/PVC/PVC 0.6/1 kV

NYY Flexible (Black Colored Sheath)

Standard Specification: SNI IEC 60502-1 : 2009

Flexible Copper Conductor, PVC Insulated, PVC Sheathed

Applications:

- Power cord or internal wiring with medium mechanical stress for electrical equipments, machineries, luminaires and other portable appliances in dry indoor premises and outdoor application.
- Permanent exposed wiring in humid environment, installation in tray or under plaster for industrial three phase 380 - 415 VAC or single phase 220 - 240 VAC multipurpose application, inherently flame retardant in compliance with IEC 60332-1.



Cable Size (No. of core x 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/ Sheath Thickness	Overall Diameter	Cable Weight	Standard Packing Length *
		20°C Conductor	70°C Insulation						
nom. (mm ²)	nom. (mm)	max. (ohm/km)	min. (Mohm.km)	max. (A)	max. (A)	nom. (mm)	approx. (mm)	approx. (kg/km)	(meter/ packing)
1 x 35	276 x 0.40	0.554	0.004	115	4,025	1.2 / 1.4	13.2	440	1,000/d
1 x 50	396 x 0.40	0.386	0.004	146	5,750	1.4 / 1.4	15.1	615	1,000/d
1 x 70	360 x 0.50	0.272	0.004	184	8,050	1.4 / 1.4	17.0	831	1,000/d
1 x 95	475 x 0.50	0.206	0.004	221	10,925	1.6 / 1.5	19.2	1,083	1,000/d
1 x 120	608 x 0.50	0.161	0.003	259	13,801	1.6 / 1.5	20.9	1,345	1,000/d
1 x 150	756 x 0.50	0.129	0.003	301	17,251	1.8 / 1.6	23.2	1,663	1,000/d
1 x 185	925 x 0.50	0.106	0.003	343	21,276	2.0 / 1.7	25.6	2,030	1,000/d
1 x 240	1221 x 0.50	0.0801	0.003	412	27,601	2.2 / 1.8	28.9	2,643	1,000/d
1 x 300	1530 x 0.50	0.0641	0.003	475	34,501	2.4 / 1.9	31.9	3,283	1,000/d
1 x 400	2035 x 0.50	0.0486	0.003	564	46,002	2.6 / 2.0	36.1	4,294	1,000/d
2 x 35	276 x 0.40	0.554	0.004	119	4,025	1.2 / 1.8	25.9	1,229	1,000/d
2 x 50	396 x 0.40	0.386	0.004	150	5,750	1.4 / 1.8	30.2	1,626	1,000/d
2 x 70	360 x 0.50	0.272	0.004	187	8,050	1.4 / 1.9	34.1	2,160	1,000/d
2 x 95	475 x 0.50	0.206	0.004	223	10,925	1.6 / 2.0	38.7	2,813	1,000/d
2 x 120	608 x 0.50	0.161	0.003	260	13,801	1.6 / 2.1	42.4	3,456	1,000/d
2 x 150	756 x 0.50	0.129	0.003	298	17,251	1.8 / 2.2	46.8	4,222	1,000/d
2 x 185	925 x 0.50	0.106	0.003	336	21,276	2.0 / 2.4	51.6	5,127	1,000/d
2 x 240	1221 x 0.50	0.0801	0.003	398	27,601	2.2 / 2.6	58.5	6,669	1,000/d
2 x 300	1530 x 0.50	0.0641	0.003	454	34,501	2.4 / 2.7	64.5	8,688	1,000/d
3 x 35	276 x 0.40	0.554	0.004	107	4,025	1.2 / 1.8	27.5	1,565	1,000/d
3 x 50	396 x 0.40	0.386	0.004	135	5,750	1.4 / 1.8	32.2	2,105	1,000/d
3 x 70	360 x 0.50	0.272	0.004	170	8,050	1.4 / 1.9	36.5	2,854	1,000/d
3 x 95	475 x 0.50	0.206	0.004	202	10,925	1.6 / 2.1	41.5	3,707	1,000/d
3 x 120	608 x 0.50	0.161	0.003	237	13,801	1.6 / 2.2	45.4	4,589	1,000/d
3 x 150	756 x 0.50	0.129	0.003	273	17,251	1.8 / 2.3	50.1	5,630	1,000/d
3 x 185	925 x 0.50	0.106	0.003	309	21,276	2.0 / 2.5	55.5	6,895	1,000/d
3 x 240	1221 x 0.50	0.0801	0.003	366	27,601	2.2 / 2.7	62.6	8,940	1,000/d
3 x 300	1530 x 0.50	0.0641	0.003	418	34,501	2.4 / 2.9	69.3	11,798	1,000/d
4 x 35	276 x 0.40	0.554	0.004	99	4,025	1.2 / 1.8	30.3	1,980	1,000/d
4 x 50	396 x 0.40	0.386	0.004	124	5,750	1.4 / 1.9	35.8	2,724	1,000/d
4 x 70	360 x 0.50	0.272	0.004	156	8,050	1.4 / 2.1	40.6	3,692	1,000/d
4 x 95	475 x 0.50	0.206	0.004	186	10,925	1.6 / 2.2	45.9	4,784	1,000/d
4 x 120	608 x 0.50	0.161	0.003	218	13,801	1.6 / 2.3	50.3	5,929	1,000/d
4 x 150	756 x 0.50	0.129	0.003	251	17,251	1.8 / 2.5	56.0	7,361	1,000/d
4 x 185	925 x 0.50	0.106	0.003	285	21,276	2.0 / 2.7	61.7	8,960	1,000/d
4 x 240	1221 x 0.50	0.0801	0.003	338	27,601	2.2 / 2.9	69.6	11,637	1,000/d
4 x 300	1530 x 0.50	0.0641	0.003	387	34,501	2.4 / 3.1	77.3	15,443	1,000/d
5 x 35	276 x 0.40	0.544	0.004	93	4,025	1.2 / 1.9	33.5	2,442	1,000/d
5 x 50	396 x 0.40	0.386	0.004	117	5,750	1.4 / 2.0	39.6	3,393	1,000/d

Test Voltage : 3,500 VAC/5 minutes

* d = drum