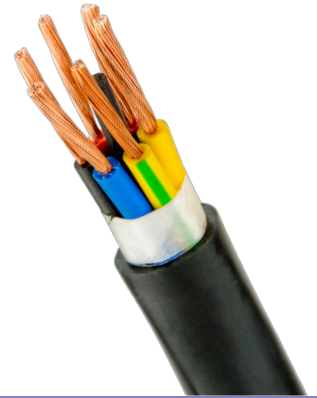


# CU/PVC/PVC 300/500 V

## NYHY H05VVF (Black Colored Sheath)

Standard Specification: IEC 60227-7 : 2012 & SNI 04-6629.7 : 2006 (IEC 75)

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 or 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						
<i>nom.</i> (mm <sup>2</sup> )	<i>nom.</i> (mm)	<i>max.</i> (ohm/km)	<i>min.</i> (Mohm.km)	<i>max.</i> (A)	<i>max.</i> (A)	<i>nom.</i> (mm)	<i>approx.</i> (mm)	<i>approx.</i> (kg/km)	<i>(meter/ packing)</i>
6 x 0.5	16 x 0.20	39.0	0.013	5	58	0.6 / 0.9	8.8	108	100/c
6 x 0.75	24 x 0.20	26.0	0.011	7	86	0.6 / 0.9	9.5	132	100/c
6 x 1	32 x 0.20	19.5	0.010	9	115	0.6 / 1.0	10.2	160	100/c
6 x 1.5	30 x 0.25	13.3	0.010	12	173	0.7 / 1.1	11.9	222	100/c
6 x 2.5	50 x 0.25	7.98	0.009	16	288	0.8 / 1.2	14.1	330	1,000/d
7 x 0.5	16 x 0.20	39.0	0.013	5	58	0.6 / 0.9	8.8	111	100/c
7 x 0.75	24 x 0.20	26.0	0.011	6	86	0.6 / 1.0	9.5	137	100/c
7 x 1	32 x 0.20	19.5	0.010	8	115	0.6 / 1.0	10.2	166	100/c
7 x 1.5	30 x 0.25	13.3	0.010	11	173	0.7 / 1.2	11.9	231	100/c
7 x 2.5	50 x 0.25	7.98	0.009	15	288	0.8 / 1.3	14.1	347	1,000/d
12 x 0.5	16 x 0.20	39.0	0.013	4	58	0.6 / 1.1	11.9	181	100/c
12 x 0.75	24 x 0.20	26.0	0.011	5	86	0.6 / 1.1	12.8	224	100/c
12 x 1	32 x 0.20	19.5	0.010	7	115	0.6 / 1.2	13.7	271	1,000/d
12 x 1.5	30 x 0.25	13.3	0.010	9	173	0.7 / 1.3	16.0	375	1,000/d
12 x 2.5	50 x 0.25	7.98	0.009	13	288	0.8 / 1.5	19.3	572	1,000/d
18 x 0.5	16 x 0.20	39.0	0.013	3	58	0.6 / 1.2	13.8	252	100/c
18 x 0.75	24 x 0.20	26.0	0.011	4	86	0.6 / 1.3	15.1	322	1,000/d
18 x 1	32 x 0.20	19.5	0.010	6	115	0.6 / 1.3	16.0	380	1,000/d
18 x 1.5	30 x 0.25	13.3	0.010	8	173	0.7 / 1.5	18.9	538	1,000/d
18 x 2.5	50 x 0.25	7.98	0.009	11	288	0.8 / 1.8	22.9	831	1,000/d
27 x 0.5	16 x 0.20	39.0	0.013	3	58	0.6 / 1.4	16.9	372	1,000/d
27 x 0.75	24 x 0.20	26.0	0.011	4	86	0.6 / 1.5	18.5	474	1,000/d
27 x 1	32 x 0.20	19.5	0.010	5	115	0.6 / 1.5	19.6	562	1,000/d
27 x 1.5	30 x 0.25	13.3	0.010	7	173	0.7 / 1.8	23.2	804	1,000/d
27 x 2.5	50 x 0.25	7.98	0.009	10	288	0.8 / 2.1	28.1	1,234	1,000/d
36 x 0.5	16 x 0.20	39.0	0.013	2	58	0.6 / 1.5	18.9	480	1,000/d
36 x 0.75	24 x 0.20	26.0	0.011	3	86	0.6 / 1.6	20.6	613	1,000/d
36 x 1	32 x 0.20	19.5	0.010	5	115	0.6 / 1.7	22.1	740	1,000/d
36 x 1.5	30 x 0.25	13.3	0.010	6	173	0.7 / 2.0	26.1	1,054	1,000/d
36 x 2.5	50 x 0.25	7.98	0.009	9	288	0.8 / 2.3	31.5	1,615	1,000/d
48 x 0.5	16 x 0.20	39.0	0.013	2	58	0.6 / 1.7	21.9	632	1,000/d
48 x 0.75	24 x 0.20	26.0	0.011	3	86	0.6 / 1.8	23.9	807	1,000/d
48 x 1	32 x 0.20	19.5	0.010	4	115	0.6 / 1.9	25.6	972	1,000/d
48 x 1.5	30 x 0.25	13.3	0.010	6	173	0.7 / 2.2	30.2	1,381	1,000/d
48 x 2.5	50 x 0.25	7.98	0.009	8	288	0.8 / 2.4	36.3	2,094	1,000/d
60 x 0.5	16 x 0.20	39.0	0.013	2	58	0.6 / 1.8	23.9	768	1,000/d
60 x 0.75	24 x 0.20	26.0	0.011	3	86	0.6 / 2.0	26.3	995	1,000/d
60 x 1	32 x 0.20	19.5	0.010	4	115	0.6 / 2.1	28.1	1,199	1,000/d
60 x 1.5	30 x 0.25	13.3	0.010	5	173	0.7 / 2.4	33.1	1,698	1,000/d
60 x 2.5	50 x 0.25	7.98	0.009	8	288	0.8 / 2.4	39.3	2,535	1,000/d

Test Voltage : 2,000 VAC/5 minutes, except for insulation thickness less than 0.7 mm (1,500 VAC/5 minutes)

\* c = coil d = drum

# CU/PVC/PVC 450/750 V

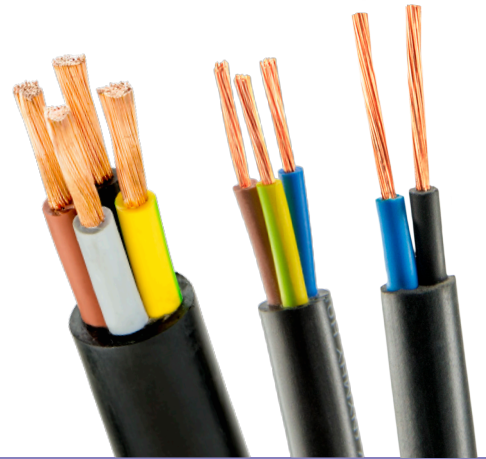
## NYHY H07VVF (Black Colored Sheath)

Standard Specification: IEC 60227-6 : 2001 (IEC 71c)

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						
<i>nom.</i> (mm <sup>2</sup> )	<i>nom.</i> (mm)	<i>max.</i> (ohm/km)	<i>min.</i> (Mohm.km)	<i>max.</i> (A)	<i>max.</i> (A)	<i>nom.</i> (mm)	<i>approx.</i> (mm)	<i>approx.</i> (kg/km)	<i>(meter/ packing)</i>
2 x 4	56 x 0.30	4.95	0.007	26	460	0.8 / 1.0	10.5	189	100/c
2 x 6	84 x 0.30	3.30	0.006	33	690	0.8 / 1.0	12.0	256	100/c
2 x 10	80 x 0.40	1.91	0.0056	45	1,150	1.0 / 1.3	15.5	428	1,000/d
2 x 16	126 x 0.40	1.21	0.0046	61	1,840	1.0 / 1.3	17.6	596	1,000/d
2 x 25	196 x 0.40	0.78	0.0044	80	2,875	1.2 / 1.6	21.8	914	1,000/d
3 x 4	56 x 0.30	4.95	0.007	26	460	0.8 / 1.0	11.1	232	100/c
3 x 6	84 x 0.30	3.30	0.006	33	690	0.8 / 1.3	13.4	337	1,000/d
3 x 10	80 x 0.40	1.91	0.0056	45	1,150	1.0 / 1.3	16.4	530	1,000/d
3 x 16	126 x 0.40	1.21	0.0046	61	1,840	1.0 / 1.3	18.8	751	1,000/d
3 x 25	196 x 0.40	0.78	0.0044	80	2,875	1.2 / 1.6	23.2	1,153	1,000/d
4 x 4	56 x 0.30	4.95	0.007	26	460	0.8 / 1.3	12.9	305	1,000/d
4 x 6	84 x 0.30	3.30	0.006	33	690	0.8 / 1.3	14.7	414	1,000/d
4 x 10	80 x 0.40	1.91	0.0056	45	1,150	1.0 / 1.3	18.1	664	1,000/d
4 x 16	126 x 0.40	1.21	0.0046	61	1,840	1.0 / 1.6	21.4	979	1,000/d
4 x 25	196 x 0.40	0.78	0.0044	80	2,875	1.2 / 2.0	26.4	1,509	1,000/d
5 x 4	56 x 0.30	4.95	0.007	20	460	0.8 / 1.3	14.1	373	1,000/d
5 x 6	84 x 0.30	3.30	0.006	25	690	0.8 / 1.3	16.1	509	1,000/d
5 x 10	80 x 0.40	1.91	0.0056	34	1,150	1.0 / 1.6	20.5	843	1,000/d
5 x 16	126 x 0.40	1.21	0.0046	46	1,840	1.0 / 1.6	23.5	1,198	1,000/d
5 x 25	196 x 0.40	0.78	0.0044	61	2,875	1.2 / 2.0	29.0	1,845	1,000/d

Test Voltage : 2,500 VAC/5 minutes

\* c = coil d = drum