

# NYYHY H05VVF 300/500V

(Standard Specification: Kabelmetal Indonesia)

Multi-cores Flexible Copper Conductor PVC Insulated & Sheathed Cables



## Applications :

- Power cord or internal wiring with medium mechanical stress for electrical equipment, machineries, luminaires and other portable appliances in dry indoor premises.
- 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 Dia- meter	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)
2 x 0.75	24 x 0.20	26.0	0.011	6	86	0.6 / 0.8	6.2	57	100/c
2 x 1.0	32 x 0.20	19.5	0.010	10	115	0.6 / 0.8	6.8	70	100/c
2 x 1.5	30 x 0.25	13.3	0.010	15	173	0.7 / 0.8	7.9	94	100/c
2 x 2.5	50 x 0.25	7.98	0.009	20	288	0.8 / 1.0	9.8	146	100/c
2 x 4	56 x 0.30	4.95	0.008	26	460	0.8 / 1.1	10.9	198	100/c
2 x 6	84 x 0.30	3.30	0.007	33	690	0.8 / 1.2	12.3	264	1000/d
2 x 10	80 x 0.40	1.91	0.006	45	1150	1.0 / 1.3	15.3	421	1000/d
3 x 0.75	24 x 0.20	26.0	0.011	6	86	0.6 / 0.8	6.5	69	100/c
3 x 1.0	32 x 0.20	19.5	0.010	10	115	0.6 / 0.8	7.2	84	100/c
3 x 1.5	30 x 0.25	13.3	0.010	15	173	0.7 / 0.9	8.6	118	100/c
3 x 2.5	50 x 0.25	7.98	0.009	20	288	0.8 / 1.1	10.6	182	100/c
3 x 4	56 x 0.30	4.95	0.008	26	460	0.8 / 1.1	11.6	244	100/c
3 x 6	84 x 0.30	3.30	0.007	33	690	0.8 / 1.2	13.1	331	1000/d
3 x 10	80 x 0.40	1.91	0.006	45	1150	1.0 / 1.4	16.5	538	1000/d
3 x 16	126 x 0.40	1.21	0.005	61	1840	1.0 / 1.4	19.5	733	1000/d
3 x 25	196 x 0.40	0.780	0.005	80	2875	1.2 / 1.5	23.5	1102	1000/d
3 x 35	276 x 0.40	0.554	0.004	98	4025	1.2 / 1.6	26.0	1471	1000/d
3 x 50	396 x 0.40	0.386	0.004	122	5750	1.4 / 1.7	30.5	2072	1000/d
3 x 70	360 x 0.50	0.272	0.004	152	8050	1.4 / 1.8	35.0	2814	1000/d
4 x 0.75	24 x 0.20	26.0	0.011	6	86	0.6 / 0.8	7.1	84	100/c
4 x 1.0	32 x 0.20	19.5	0.010	10	115	0.6 / 0.9	8.1	107	100/c
4 x 1.5	30 x 0.25	13.3	0.010	15	173	0.7 / 1.0	9.6	149	100/c
4 x 2.5	50 x 0.25	7.98	0.009	20	288	0.8 / 1.1	11.6	225	100/c
4 x 4	56 x 0.30	4.95	0.008	26	460	0.8 / 1.2	12.9	311	1000/d
4 x 6	84 x 0.30	3.30	0.007	33	690	0.8 / 1.3	14.6	421	1000/d
4 x 10	80 x 0.40	1.91	0.006	45	1150	1.0 / 1.4	18.1	677	1000/d
4 x 16	126 x 0.40	1.21	0.005	61	1840	1.0 / 1.5	21.5	927	1000/d
4 x 25	196 x 0.40	0.780	0.005	80	2875	1.2 / 1.6	26.0	1396	1000/d
4 x 35	276 x 0.40	0.554	0.004	98	4025	1.2 / 1.7	29.0	1867	1000/d
4 x 50	396 x 0.40	0.386	0.004	122	5750	1.4 / 1.8	34.0	2633	1000/d
4 x 70	360 x 0.50	0.272	0.004	152	8050	1.4 / 1.9	39.0	3584	1000/d
5 x 0.75	24 x 0.20	26.0	0.011	4	86	0.6 / 0.9	8.0	105	100/c
5 x 1.0	32 x 0.20	19.5	0.010	8	115	0.6 / 0.9	8.9	129	100/c
5 x 1.5	30 x 0.25	13.3	0.010	11	173	0.7 / 1.1	10.7	185	100/c
5 x 2.5	50 x 0.25	7.98	0.009	15	288	0.8 / 1.2	12.9	279	1000/d
5 x 4	56 x 0.30	4.95	0.008	20	460	0.8 / 1.3	14.4	385	1000/d
5 x 6	84 x 0.30	3.30	0.007	25	690	0.8 / 1.4	16.2	521	1000/d
5 x 10	80 x 0.40	1.91	0.006	34	1150	1.0 / 1.5	20.1	838	1000/d

Other number of cores, sizes, voltage rating and packing lengths are available upon request

Test Voltage : 2000 VAC/5 minutes, except for insulation thickness less than 0.7 mm (1500 VAC/5 minutes)

Colors Available : For 2 - 5 cores, System - O (Light Blue-Brown-Black-Brown-Black), with Black colored sheath

For 3 - 5 cores, System - I (Yellow/Green-Light Blue-Brown-Black-Black), with Black colored sheath

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