

**HEAVY THERMOPLASTIC FLEXIBLE CABLE  
(PVC INSULATED AND SHEATHED)  
NYYHY - 0 (I) 450/750 VOLT**



**PHYSICAL AND ELECTRICAL PROPERTIES**

No. of core	Nom. cross section	No. of wire	Diameter maximum	Insulation thickness	Sheath thickness	Approx. cable diameter	Approx. cable weight	Resistance at 20°C		Current carrying capacity in air		Short circuit current at 1 sec.	AC voltage test	Standard length
								Conductor	Insulation	30°C	40°C			
mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	kg/km	ohm/km	M.ohm.km	A	A	kA	kV/5 min	m
3	2.5	51	0.25	0.8	1.0	9.9	163	7.98	50	25	22	0.46	2	50/100
	4	57	0.30	1.0	1.8	13.6	291	4.95	50	34	30	0.46	2	50/100
	6	85	0.30	1.0	1.8	14.8	373	3.30	50	44	38	0.69	2	50/100
	10	80	0.40	1.0	1.8	16.8	533	1.91	50	60	52	1.15	2	500
	16	128	0.40	1.0	1.8	19.2	758	1.21	40	80	70	1.84	2	500
	25	199	0.40	1.2	2.0	23.2	1148	0.78	40	105	91	2.88	2	500
	35	279	0.40	1.2	2.0	25.8	1519	0.554	40	130	113	4.03	2	500
	50	398	0.40	1.4	2.0	29.9	2118	0.386	30	160	139	5.75	2	500
	70	357	0.50	1.4	2.2	34.0	2871	0.272	30	200	174	8.05	2	500
	95	484	0.50	1.6	2.2	38.7	3829	0.206	30	245	215	10.93	2	500
120	612	0.50	1.6	2.2	42.1	4724	0.161	30	285	250	13.80	2	500	
4	0.75	24	0.20	0.6	0.8	7.2	78	26.0	50	9	8	0.09	2	50/100
	1	32	0.20	0.6	0.8	7.7	92	19.5	50	13	12	0.12	2	50/100
	1.5	31	0.25	0.7	0.8	8.9	129	13.3	50	18	16	0.17	2	50/100
	2.5	51	0.25	0.8	1.0	10.8	199	7.98	50	25	22	0.29	2	50/100
	4	57	0.30	1.0	1.8	14.7	352	4.95	50	34	30	0.46	2	50/100
	6	85	0.30	1.0	1.8	16.1	456	3.30	50	44	38	0.69	2	50/100
	10	80	0.40	1.0	1.8	18.4	659	1.91	50	60	52	1.15	2	500
	16	128	0.40	1.0	1.8	21.1	946	1.21	40	80	70	1.84	2	500
	25	199	0.40	1.2	2.0	25.5	1437	0.78	40	105	91	2.88	2	500
	35	279	0.40	1.2	2.0	28.4	1912	0.554	40	130	113	4.03	2	500
	50	398	0.40	1.4	2.0	33.0	2675	0.386	30	160	139	5.75	2	500
	70	357	0.50	1.4	2.2	37.5	3638	0.272	30	200	174	8.05	2	500
	95	484	0.50	1.6	2.2	42.8	4863	0.206	30	245	215	10.93	2	500
120	612	0.50	1.6	2.2	46.6	6014	0.161	30	285	250	13.80	2	500	
5	1.5	31	0.25	0.8	1.8	12.3	216	13.3	50	18	16	0.17	2	50/100
	2.5	51	0.25	0.8	1.8	13.5	285	7.98	50	25	22	0.29	2	50/100
	4	57	0.30	1.0	1.8	16.1	420	4.95	50	34	30	0.46	2	50/100
	6	85	0.30	1.0	1.8	17.6	547	3.30	50	44	38	0.69	2	500
	10	80	0.40	1.0	1.8	20.2	795	1.91	50	60	52	1.15	2	500
	16	128	0.40	1.0	2.0	23.5	1167	1.21	40	80	70	1.84	2	500

**HEAVY THERMOPLASTIC FLEXIBLE CABLE  
(PVC INSULATED AND SHEATHED)  
NYHHY - 0 (I) 450/750 VOLT**



**Feature**

These low voltage flexible cables are applied for indoor and outdoor, especially for light mobile appliances

**CONSTRUCTION**

**Conductor**

Stranded flexible annealed copper conductor.

**Insulation**

Extruded colored PVC, capable for the operating continuously maximum temperature of the cable.

**Sheath**

Extruded Black PVC, suitable for the operating temperature of the cable.

**Identification of cores**

Complying with system O/I.

(Other colors on request with cores in different colors or numbering code figures).

**Specification** : Factory Specification

(Other specifications are available upon request)

**PHYSICAL AND ELECTRICAL PROPERTIES**

No. of core	Nom. cross section	No. of wire	Diameter maximum	Insulation thickness	Sheath thickness	Approx. cable diameter	Approx. cable weight	Resistance at 20°C		Current-carrying capacity in air		Short circuit current at 1 sec.	AC voltage test	Standard length
								Conductor	Insulation	30°C	30°C			
mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	kg/km	ohm/km	M.ohm.km	A	A	kA	kV/5 min	m
2	0.75	24	0.20	0.6	0.8	6.3	55	26.0	50	10	9	0.09	2	50/100
	1	32	0.20	0.6	0.8	6.6	63	19.5	50	15	14	0.12	2	50/100
	1.5	31	0.25	0.7	0.8	7.6	87	13.3	50	21	18	0.17	2	50/100
	2.5	51	0.25	0.8	1.0	9.3	133	7.98	50	29	25	0.29	2	50/100
	4	57	0.30	1.0	1.8	12.8	241	4.95	50	38	33	0.46		50/100
	6	85	0.30	1.0	1.8	14.0	304	3.30	50	48	42	0.69	2	50/100
	10	80	0.40	1.0	1.8	15.9	426	1.91	50	66	57	1.15	2	50/100
	16	128	0.40	1.0	1.8	18.1	596	1.21	40	90	78	1.84	2	500
	25	199	0.40	1.2	2.0	21.8	897	0.78	40	120	104	2.88	2	500
	35	279	0.40	1.2	2.0	24.2	1174	0.55	40	150	130	4.03		500
3	50	398	0.40	1.4	2.0	28.0	1626	0.38	30	180	157	5.75	2	500
	70	357	0.50	1.4	2.2	31.8	2190	0.27	30	230	200	8.05	2	500
	95	484	0.50	1.6	2.2	36.2	2907	0.20	30	275	239	10.93	2	500
	120	612	0.50	1.6	2.2	39.4	3567	0.16	30	320	278	13.80	2	500
	0.75	24	0.20	0.6	0.8	6.6	65	26.0	50	9	8	0.09	2	50/100
1	32	0.20	0.6	0.8	7.0	76	19.5	50	13	12	0.12	2	50/100	
1.5	31	0.25	0.7	0.8	8.1	106	13.3	50	18	16	0.17	2	50/100	

**HEAVY THERMOPLASTIC FLEXIBLE CABLE  
(PVC INSULATED AND SHEATHED)  
NYYHY - 0 (I) 300/500 VOLT**



**PHYSICAL AND ELECTRICAL PROPERTIES**

No. of core	Nom. cross section	No. of wire	Diameter maximum	Insulation thickness	Sheath thickness	Approx. cable diameter	Approx. cable weight	Resistance at 20°C		Current carrying capacity in air		Short circuit current at 1 sec.	AC voltage test	Standard length
								Conductor	Insulation	30°C	40°C			
mm <sup>2</sup>	mm	mm	mm	mm	mm	mm	kg/km	ohm/km	M.ohm.km	A	A	kA	kV/5 min	m
5	25	199	0.40	1.2	2.0	28.1	1748	0.78	40	105	91	2.88	2	500
	35	199	0.40	1.2	2.0	31.3	2334	0.554	40	130	113	4.03	2	500
	50	398	0.40	1.4	2.2	36.9	3305	0.386	30	160	139	5.75	2	500
7	1.5	31	0.25	0.8	1.8	13.2	269	13.30	50	18	16	0.17	2	50/100
	2.5	51	0.25	0.8	1.8	14.6	360	7.98	50	25	22	0.29	2	50/100
	4	57	0.30	1.0	1.8	17.5	538	4.95	50	34	30	0.46	2	500
	6	85	0.30	1.0	1.8	19.2	708	3.30	50	44	38	0.69	2	500
19	1.5	31	0.25	0.8	1.8	19.6	469	13.30	50	18	16	0.17	2	50/100
	2.5	51	0.25	0.8	1.8	21.9	672	7.98	50	25	22	0.29	2	500
	4	57	0.30	1.0	1.8	26.7	1021	4.95	50	34	30	0.46	2	500
	6	85	0.30	1.0	1.9	29.8	1425	3.30	50	44	38	0.69	2	500
37	1.5	31	0.25	0.8	1.8	26.1	771	13.30	50	18	16	0.17	2	500
	2.5	51	0.25	0.8	1.9	29.4	1156	7.98	50	25	22	0.29	2	500
	4	57	0.30	1.0	2.1	36.5	1805	4.95	50	34	30	0.46	2	500
	6	85	0.30	1.0	2.3	41.0	2573	3.30	50	44	38	0.69	2	500
61	1.5	31	0.25	0.8	2.0	32.9	1185	13.30	50	18	16	0.17	2	500
	2.5	51	0.25	0.8	2.2	37.4	1816	7.98	50	25	22	0.29	2	500
	4	57	0.30	1.0	2.5	46.5	2857	4.95	50	34	30	0.46	2	500
	6	85	0.30	1.0	2.6	52.0	4067	3.30	50	44	38	0.69	2	500