

**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 ²	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)
NYHY - 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 mm ²	No. of wire	Diameter maximum mm	Insulation thickness mm	Sheath thickness mm	Approx. cable diameter mm	Approx. cable weight kg/km	Resistance at 20°C		Current-carrying capacity in air		Short circuit current at 1 sec. kA	AC voltage test kV/5 min	Standard length m
								Conductor ohm/km	Insulation M.ohm.km	30°C A	30°C A			
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			
								ohm/km	M.ohm.km	A	A			
mm ²	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