

# HARRIX

WIRES & CABLES

## THHN / THWN

**THERMOPLASTIC HIGH HEAT-RESISTANT  
NYLON-COATED WIRE**

**THERMOPLASTIC HEAT AND WATER-  
RESISTANT NYLON-COATED WIRE**

- Heat and moisture-resistant thermoplastic Polyvinyl chloride (PVC) insulation, with nylon jacket, solid or stranded soft copper wire used for electrical installation.
- Suitable for type of service where conductor temperature does not exceed 90°C in dry location and 75°C in wet location for continuous operation not to exceed 600 volts.

**100%  
LEAD-FREE**



**99%  
PURE  
COPPER**



## THHN / THWN COPPER BUILDING WIRES

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Reference Standard -- PNS 35-1:2004 / PNS 260 / PNS 1207

NOMINAL SIZE	CONDUCTOR COMPOSITION		DIAMETER (OVERALL)	CABLE INSULATION THICKNESS		NYLON JACKET THICKNESS		ALLOWABLE AMPACITY OF INSULATED CONDUCTOR, AMP		ELECTRICAL RESISTANCE @ 20°C	STANDARD CUTTING LENGTH
	pc	mm Ø		mm	mm, ave.	mm Ø	mm, ave.	mm Ø	IN FREE-AIR		
2.0	7 x	0.60	1.80	0.40	2.60	0.10	2.80	30	25	9.000	150
3.50	7 x	0.80	2.40	0.40	3.20	0.10	3.40	40	30	5.060	150
5.50	7 x	1.00	3.00	0.50	4.00	0.10	4.20	55	40	3.240	150
8.0	7 x	1.20	3.60	0.80	5.20	0.13	5.46	70	50	2.250	150
14	7 x	1.60	4.80	0.80	6.40	0.13	6.66	105	70	1.260	150
22	7 x	2.00	6.00	1.00	8.00	0.15	8.30	140	90	0.801	150
30	7 x	2.30	6.90	1.00	8.90	0.15	9.20	170	115	0.606	150
38	19 x	1.60	8.00	1.30	10.60	0.18	10.96	195	130	0.461	300
50	19 x	1.80	9.00	1.30	11.60	0.18	11.96	235	150	0.368	300
60	19 x	2.00	10.00	1.30	12.60	0.18	12.96	260	170	0.295	300
80	19 x	2.30	11.50	1.30	14.10	0.18	14.46	320	205	0.223	300
100	19 x	2.60	13.00	1.30	15.60	0.18	15.96	370	225	0.175	300
125	37 x	2.10	14.70	1.60	17.90	0.18	18.26	420	265	0.134	300
150	37 x	2.30	16.10	1.60	19.30	0.20	19.70	475	295	0.115	300
200	37 x	2.60	18.20	1.60	21.40	0.20	21.80	570	355	0.0902	300
250	61 x	2.30	20.70	1.60	23.90	0.20	24.30	655	400	0.0701	300
325	61 x	2.60	23.40	1.80	27.00	0.23	27.46	770	470	0.0548	300
400	61 x	2.90	26.10	1.80	29.70	0.23	30.16	875	515	0.0448	300
500	61 x	3.20	28.80	1.80	32.40	0.23	32.86	995	580	0.0362	300



Manufactured by:  
**AC HARRIS**  
 CABLE CORPORATION  
 PHILIPPINES



#5 Pio del Pilar corner Magat Salamat St., Concepcion II, Marikina City, Philippines  
 Telephone Nos. (632) 941-2967 ; (632) 941-2968 ; (632) 941-2969 Fax No. (632) 997-8137 Globelines: (632) 955-8135  
 Email Address: sales@harrixwires.com Website: www.harrixwires.com