



# THW INSULATED SOFT COPPER WIRE

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

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

NOMINAL SIZE mm <sup>2</sup>	CONDUCTOR COMPOSITION		DIAMETER (OVERALL) mm	CABLE INSULATION		ALLOWABLE AMPACITY OF INSULATED CONDUCTOR, AMP		ELECTRICAL RESISTANCE @ 20°C Ω / Km	STANDARD CUTTING LENGTH meters
	pc	mm Ø		THICKNESS mm, ave.	DIAMETER mm Ø	IN FREE-AIR	IN RACEWAY		
2.0	7	0.60	1.80	0.80	3.40	20	15	9,000	150
3.50	7	0.80	2.40	0.80	4.00	30	20	5,060	150
5.50	7	1.00	3.00	0.80	4.60	45	30	3,240	150
8.0	7	1.20	3.60	1.20	6.00	60	45	2,250	150
14	7	1.60	4.80	1.60	8.00	95	65	1,260	150
22	7	2.00	6.00	1.60	9.20	130	85	0,801	150
30	7	2.30	6.90	1.60	10.10	160	110	0,606	150
38	19	1.60	8.00	2.00	12.00	185	125	0,461	300
50	19	1.80	9.00	2.00	13.00	220	145	0,368	300
60	19	2.00	10.00	2.00	14.00	250	160	0,295	300
80	19	2.30	11.50	2.00	15.50	300	195	0,223	300
100	19	2.60	13.00	2.00	17.00	355	220	0,175	300
125	37	2.10	14.70	2.40	19.50	400	255	0,134	300
150	37	2.30	16.10	2.40	20.90	440	280	0,115	300
200	37	2.60	18.20	2.40	23.00	540	330	0,0902	300
250	61	2.30	20.70	2.40	25.50	620	375	0,0701	300
325	61	2.60	23.40	2.80	29.00	720	435	0,0548	300
400	61	2.90	26.10	2.80	31.70	810	485	0,0448	300
500	61	3.20	28.80	2.80	34.40	930	540	0,0362	300



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