

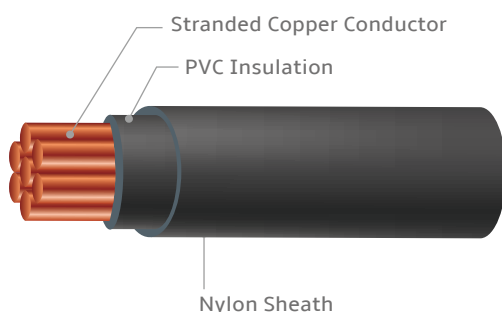


THERMOPLASTIC HIGH HEAT-RESISTANT NYLON COATED (THHN) CABLE

PRODUCT DATA SHEET

THERMOPLASTIC HIGH HEAT-RESISTANT NYLON-COATED (THHN) CABLE

Thermoplastic high heat-resistant nylon-coated (THHN) cable has a thin flame-resistant polyvinyl chloride (PVC) insulation that is covered by an abrasion-resistant nylon sheath. It is popular among electrical contractors as an inexpensive cathodic protection cable that can be used in industrial environments. THHN cables can withstand grease, oil, heat and pass the FT1 flame test.



PRACTICAL APPLICATION

Most THHN cable comes with the dual rating THHN/THWN, meaning it is usable in both wet and dry conditions, as well as both indoor and outdoor use. They are suitable for applications up to 90°C in dry locations and 75°C in wet conditions.

SPECIFICATIONS

■ Solid Copper Conductor

Cross Section	Strand Qty	Conductor Diameter	Insulation Thickness	Sheath Thickness	Overall Diameter	D.C. Resistance (@ 20°C)	Current Rating	Net Weight
AWG #14	1	1.7 mm	0.4 mm	0.3 mm	3.1 mm	7.41 Ω/km	35 A	29.87 g/m
AWG #12	1	2.2 mm	0.4 mm	0.3 mm	3.6 mm	4.61 Ω/km	40 A	44.76 g/m
AWG #10	7	3 mm	0.5 mm	0.3 mm	4.6 mm	3.08 Ω/km	55 A	66.09 g/m
AWG #8	7	4 mm	0.7 mm	0.3 mm	6 mm	1.83 Ω/km	75 A	111.39 g/m



■ Stranded Copper Conductor

Cross Section	Strand Qty	Conductor Diameter	Insulation Thickness	Sheath Thickness	Overall Diameter	D.C. Resistance (@ 90°C)	Current Rating (Wet / Dry)	Net Weight
AWG #14	7	0.6 mm	0.4 mm	0.1 mm	2.8 mm	0.13 Ω/km	30 A / 35 A	23.51 kg/km
AWG #12	7	0.8 mm	0.4 mm	0.1 mm	3.4 mm	0.11 Ω/km	35 A / 40 A	39.12 kg/km
AWG #10	7	1 mm	0.5 mm	0.1 mm	4.2 mm	0.12 Ω/km	50 A / 55 A	60.56 kg/km
AWG #8	7	1.2 mm	0.8 mm	0.13 mm	5.46 mm	0.12 Ω/km	65 A / 75 A	91.95 kg/km
AWG #6	7	1.6 mm	0.8 mm	0.13 mm	6.66 mm	0.1 Ω/km	95 A / 105 A	151.77 kg/km
AWG #4	7	2 mm	1.0 mm	0.15 mm	8.3 mm	0.1 Ω/km	130 A / 140 A	236.65 kg/km
AWG #2	7	2.3 mm	1.0 mm	0.15 mm	9.2 mm	0.1 Ω/km	160 A / 170 A	306.5 kg/km
AWG #1	19	1.6 mm	1.3 mm	0.18 mm	10.96 mm	0.1 Ω/km	185 A / 195 A	409.82 kg/km
AWG #1/0	19	1.8 mm	1.3 mm	0.18 mm	11.96 mm	0.11 Ω/km	220 A / 235 A	509.05 kg/km
AWG #2/0	19	2 mm	1.3 mm	0.18 mm	12.96 mm	0.08 Ω/km	250 A / 260 A	618.96 kg/km
AWG #3/0	19	2.3 mm	1.3 mm	0.18 mm	14.96 mm	0.08 Ω/km	300 A / 320 A	804.44 kg/km





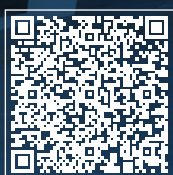
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www.yuxi-anode.com

6/F, Tianlu Building, 767 Liangzhu Road,
Ningbo 315000, P.R. China

E-mail: info@yuxi-anode.com

Tel: +86 (574) 8388 2233

Fax: +86 (574) 8388 2238