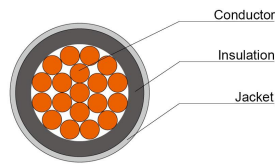


THHN Copper Electric Wire



APPLICATION

Low voltage electrical energy distribution; for use in electrical wiring of buildings, feeder circuits, branches and secondary industrial, commercial and residential indoor networks. Special for installations in abrasive sites or sites contaminated with oil, grease, gasoline, and other chemical substances. They are suitable for installation in ducts, pipes, boards, and cable trays according to RETIE article 20.3 literal J, from 12 AWG gauge and larger.

CHARACTERISTICS

Voltage Rating U_0/U (Um)

600V

Temperature Rating

90° C dry and wet places

STANDARDS

ASTM B8; ASTM B 3; UL 83

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

Guowang Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustainable development.

CONSTRUCTION

Conductor

Solid, Soft annealed bare copper

Insulation

Heat and moisture resistant PVC insulation in various colors

Sheath

External cover in polyamide (nylon)

Insulation Colour

● Red/Black/White/Blue/Green/Pink etc.

DIMENSIONS

Cond. Size	Strand Count	Diameter Over Conductor	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	DC Resistance @ 20° C	Allowable Ampacity At 75° C	Allowable Ampacity At 90° C
AWG/ Kcmil	Minimum Number of Strands	mm	mm	mm	mm	KG/KM	Ω/KM	Amp	Amp
14	Solid	1.63	0.38	0.10	2.9	24.7	8.45	15	15
12	Solid	2.05	0.38	0.10	3.3	36.5	5.31	20	20
10	Solid	2.59	0.51	0.10	4.1	58.1	3.34	30	30
8	7	3.40	0.76	0.13	5.5	98.3	2.14	50	55
6	7	4.29	0.76	0.13	6.4	147.2	1.35	65	75
4	7	5.41	1.02	0.15	8.1	234.5	0.848	85	95
3	7	6.02	1.02	0.15	8.7	288.2	0.673	100	115
2	7	6.81	1.02	0.15	9.5	356.1	0.534	115	130
1	18	7.59	1.27	0.18	10.8	456.1	0.423	130	145
1/0	18	8.53	1.27	0.18	11.8	564.3	0.335	150	170
2/0	18	9.55	1.27	0.18	12.8	698.0	0.266	175	195
3/0	18	10.74	1.27	0.18	14.0	866.4	0.211	200	225
4/0	18	12.07	1.27	0.18	15.3	1079.5	0.167	230	260
250	35	13.21	1.52	0.20	17.0	1284.1	0.142	255	290
300	35	14.48	1.52	0.20	18.3	1528.4	0.118	285	320
350	35	15.65	1.52	0.20	19.4	1770.8	0.101	310	350
400	35	16.74	1.52	0.20	20.5	2007.8	0.0885	335	380
500	35	18.69	1.52	0.20	22.5	2481.2	0.0709	380	430
600	58	20.65	1.78	0.23	25.0	2995.8	0.0590	420	475
750	58	22.28	1.78	0.23	26.7	3469.8	0.0472	475	535
1000	58	26.92	1.78	0.23	31.3	4896.4	0.0354	545	615

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.