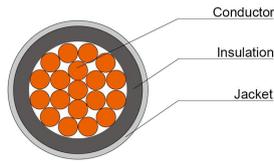


THHN / THWN-2 Copper Electric Wire PNS35-1



APPLICATION

General purpose building wire for services feeders and branch circuits. Also used for wiring of machine tools (stranded), appliances, and control circuits.

CHARACTERISTICS

Voltage Rating U_0/U (Um)
600V

Temperature Rating
90°C dry / 75°C wet

STANDARDS

PNS35-1

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

Annealed copper wire: Conforming to requirements of PNS 260 for solid conductor or PNS 1207 for stranded conductors.
(14~500mm² compact stranded)

Insulation

PVC conforming to the requirements of PNS 661

Sheath

Tough polyamide (Nylon)

Sheath Colour

- Available colors are red, white, blue, green, black, etc.

THHN/THWN, 90°C Dry/75°C Wet, 600V wire

Conductor			Minimum insulation thickness, mm		Minimum nylon thickness mm	Approx. overall diameter mm
Nominal sectional area mm ²	Composition	Approximate Outside diameter mm	Average	At any point		
	Number of wires					
2	1	1.6	0.4	0.34	0.1	2.6
	7	1.8				2.8
3.5	1	2	0.4	0.34	0.1	3
	7	2.4				3.4
5.5	1	2.6	0.5	0.34	0.1	3.8
	7	3				4.2
8	1	3.2	0.8	0.68	0.13	5.1
	7	3.6				5.5
14	7	4.4	0.8	0.68	0.13	6.5
22	7	5.5	1.0	0.85	0.15	8.1
30	7	6.5	1.0	0.85	0.15	9.1
38	19	7.3	1.3	1.11	0.18	10.6
50	19	8.0	1.3	1.11	0.18	11.3
60	19	9.2	1.3	1.11	0.18	12.5
80	19	10.7	1.3	1.11	0.18	14.0
100	19	11.8	1.3	1.11	0.18	15.1
125	37	13.1	1.6	1.36	0.18	17.0
150	37	14.5	1.6	1.36	0.20	18.4
175	37	15.6	1.6	1.36	0.20	19.5
200	37	16.8	1.6	1.36	0.20	20.7
250	37	18.7	1.6	1.36	0.20	22.6
300	61	20.4	1.8	1.53	0.23	24.8
325	61	21.3	1.8	1.53	0.23	25.7
375	61	22.4	1.8	1.53	0.23	26.8
400	61	23.6	1.8	1.53	0.23	28.0
500	61	26.4	1.8	1.53	0.23	30.8

Derating factor (ground): 1 (Soil thermal resistivity: 1km/W, Depth 0.8m, Flat formation - touching)

Derating factor (air): 1 (Flat formation - touching)

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.