Intermediate THHN/THWN-2 for Cell Tower Applications

600 Volts. Copper Conductor. Thermoplastic Insulation/Nylon Sheath, Heat, Moisture, Gasoline and Oil Resistant II. THHN/THWN/THWN-2

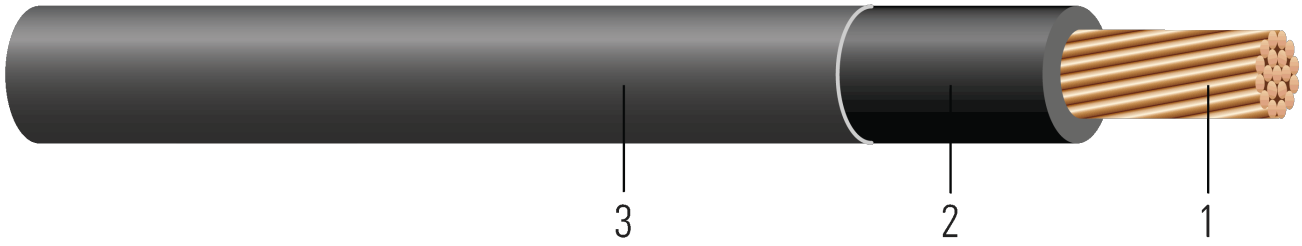


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** 19-strand combination unilay bare copper per ASTM B3 and ASTM B787.
2. **Insulation:** Heat and moisture resistant PVC insulation in various colors
3. **Sheath:** Nylon

APPLICATIONS AND FEATURES:

Southwire Intermediate THHN/THWN-2 conductors are used in cell tower applications as power feed for transmitters and radio head. Conductors are rated for 600V and may be used in wet or dry locations at temperatures not to exceed 90° C. SIMpull THHN® copper conductors are designed to be installed without application of a pulling lubricant.

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- ASTM B787 19 Wire Combination Unilay-Stranded Copper Conductors
- UL 83 Thermoplastic Insulated Wires and Cables
- ICEA S-95-658 (NEMA WC70) Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- RoHS-2 (European Directive 2011/65/EU)

SAMPLE PRINT LEGEND:

{SQFTG} SOUTHWIRE E23919 {UL} (XX AWG) XX{mm2} CU TYPE THHN OR THWN-2 600 VOLTS GASOLINE AND OIL RESISTANT II VW-1 --- {CUL} T90 NYLON OR TWN75 600 VOLTS FT1 {NOM}-ANCE 90°C---RoHS

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Intermediate THHN/THWN-2 for Cell Towers

Stock Code	Conductor Size	Conductor Diam	PVC / NYLON Thickness	Approx. Overall OD	Approx. Weight	Min Bend Radius	Max Pull Tension	Color Code
	AWG (Strands)	inches	mils	inches	lbs. /1,000'	inches	lbs.	-
665076	6 (19)	0.179	31 / 6	0.253	96	1	210	Black
204933†	6 (19)	0.179	31 / 6	0.253	96	1	210	Black
665077	6 (19)	0.179	31 / 6	0.253	96	1	210	Red
204958†	6 (19)	0.179	31 / 6	0.253	96	1	210	Red
610277	4 (19)	0.226	42 / 7	0.324	154	1.3	334	Black
204990†	4 (19)	0.226	42 / 7	0.324	154	1.3	334	Black
610280	4 (19)	0.226	42 / 7	0.324	154	1.3	334	Red
204982†	4 (19)	0.226	42 / 7	0.324	154	1.3	334	Red

† SIMpull THHN/THWN-2® per SPEC 10000

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