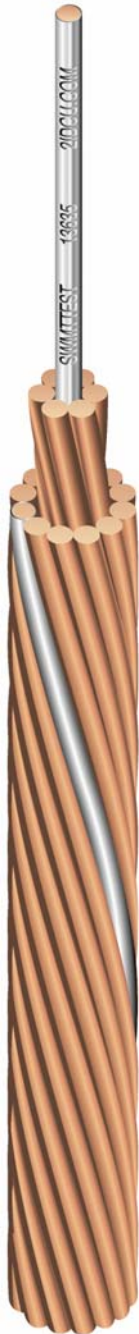


# Proof Positive® Copper Conductor

**Solid or Stranded Copper Conductor.  
Tinned and Laser Etched.**



## APPLICATIONS

- Used as bare hook up, jumpers and grounds in electrical and substation construction
- Suitable for direct burial
- Suitable for overhead transmission and distribution applications
- Unique serial number provides proof of ownership for traceability

## SPECIFICATIONS

Southwire's Proof Positive® Copper Conductors meet or exceeds the following applicable ASTM specifications:

- B 1 Hard-Drawn Copper Wire
- B 2 Medium-Hard-Drawn Copper Wire
- B 3 Soft or Annealed Copper Wire
- B 8 Concentric-Lay-Stranded Copper Conductor, Hard, Medium-Hard or Soft
- B 787 19 Wire Combination Unilay-Stranded Copper Conductor

## CONSTRUCTION

- Bare copper solid or stranded conductor
- Available in hard-drawn, medium-hard-drawn, or annealed tempers
- Solid Constructions: Outer surface is tinned and has a laser-etched, unique set of codes that will be visible for the life of the conductor
- Stranded Constructions:
  - Concentric or combination unilay stranded depending on temper, size and number of strands
  - Center strand is tinned and has a laser-etched, unique set of codes that will be visible for the life of the conductor
  - One strand in the outer most layer of the construction is also tinned
- Code is comprised of :
  - A license code
  - A serial number unique to every foot of cable
  - The website URL which stores the purchasing information

# Proof Positive® Copper Conductor

Size (AWG or kcmil)	Strand- ing	Weight (lbs/1000 ft)	Diameter* (inches)	Medium-Hard Drawn		Soft- Drawn (Annealed)	Allowable Ampacity+
				Rated* Strength	R <sub>dc</sub> @20°C (Ω/1000 ft)	R <sub>dc</sub> @20°C (Ω/1000 ft)	
8	1	50.0	0.129	644	0.6500	0.6280	95
6	1	79.4	0.162	1010	0.4090	0.3950	125
4	1	126.3	0.204	1584	0.2570	0.2490	170
2	1	200.9	0.258	2450	0.1620	0.1560	225
2	7	204.9	0.292	2360	0.1605	0.1578	230
1	7	258.4	0.328	2950	0.1309	0.1252	265
1/0	7	325.8	0.368	3700	0.1037	0.1002	310
1/0	19	325.8	0.373	3800	0.1037	0.1002	310
2/0	7	410.9	0.414	4640	0.0822	0.0795	355
2/0	19	410.9	0.419	4770	0.0822	0.0795	355
3/0	7	518.1	0.464	5810	0.0652	0.0631	410
3/0	19	518.1	0.470	5970	0.0652	0.0631	410
4/0	7	653.3	0.522	7280	0.0517	0.0499	480
4/0	19	653.3	0.528	7470	0.0517	0.0499	480
250	19	771.9	0.574	8770	0.0438	0.0423	530
250	37	771.9	0.575	8950	0.0438	0.0423	530
300	19	926.2	0.629	10500	0.0365	0.0353	590
350	19	1081	0.679	12200	0.0313	0.0302	650
500	37	1544	0.813	17500	0.0219	0.0212	810
600	37	1883	0.891	21000	0.0183	0.0176	910
750	61	2316	0.998	26500	0.0146	0.0141	1040
1000	61	3088	1.152	35100	0.0109	0.0106	1240

+ Ampacity based on 75°C conductor temperature, 25°C ambient temperature, 2 ft/sec wind in sun.  
\* Numbers shown are for concentrically stranded constructions. May vary slightly for combination unilay stranded constructions.