

# Tinned CU Unshielded Signal Cable 1000V

Unshielded Signal cables 1000 Volt Single Conductor Copper, Ethylene Propylene Rubber (EPR) insulation Thermoset SOLONON® Low Smoke Zero Halogen (LSZH-TS) Jacket.



Image not to scale. See Table 1 for dimensions.

## CONSTRUCTION:

- Conductor:** Stranded tinned copper per ASTM B33 and ASTM B8
- Insulation:** Ethylene Propylene Rubber (EPR)
- Separator:** Silicone polymer tape
- Overall Jacket:** Black, Thermoset, SOLONON® Low Smoke Zero Halogen (LSZH-TS)

## APPLICATIONS AND FEATURES:

Southwire's Unshielded Signal cables 1000 Volt conform to requirements in AREMA Signal Manual Part 10.3.16 and are suited for use in air or non-plenum ducts.

## SPECIFICATIONS:

- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- ICEA S-95-658 (NEMA WC70) Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy

## SAMPLE PRINT LEGEND:

SOUTHWIRE XX AWG 90C EPR XX MILS SOLONON® 1000V SUN. RES. YEAR {SEQUENTIAL FOOTAGE MARKS} SEQ FEET

**Table 1 – Physical and Electrical Data**

Stock Number	Cond. Size	Strand Class	Strand Count	Cond. Cmil	Diameter Over Conductor	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight	DC Resistance @ 25°C	AC Resistance @ 75°C	Max Pull Tension
	AWG/kcmil		No. of Strands	cmil	inch	mil	mil	inch	lb/1000ft	Ω/1000ft	Ω/1000ft	lb
457604	14	C	19	4110	0.074	80	45	0.348	66	2.631	3.170	33
457603	9	C	19	13090	0.127	80	45	0.401	106	0.825	0.994	105
457602	6	C	19	26240	0.179	95	45	0.485	173	0.411	0.495	209
457606	4	C	19	41740	0.230	95	60	0.572	258	0.258	0.310	333
457610	2	C	19	66360	0.296	95	60	0.638	356	0.162	0.195	530
457613	1/0	B	19	105600	0.362	110	60	0.736	517	0.102	0.122	844
457616	2/0	B	19	133100	0.405	110	60	0.779	617	0.081	0.097	1064
TBA	3/0	B	19	167800	0.456	110	80	0.852	741	0.064	0.078	1342
457619	4/0	B	19	211600	0.512	110	80	0.928	939	0.051	0.062	1692

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item



TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.