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:

1. **Conductor:** Stranded tinned copper per ASTM B33 and ASTM B8
2. **Insulation:** Ethylene Propylene Rubber (EPR)
3. **Separator:** Silicone polymer tape
4. **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	Jacket Color	Approx. OD	Approx. Weight	DC Resistance @ 25°C	AC Resistance @ 75°C
	AWG/ kcmil		No. of Strands	cmil	inch	mil	mil		inch	lb/1000ft	Ω/1000ft	Ω/1000ft
457604	14	C	19	4110	0.073	80	45	BK	0.348	66	2.736	3.396
457603	9	C	19	13090	0.131	80	45	BK	0.401	106	0.858	1.065
457602	6	C	19	26240	0.179	95	45	BK	0.485	173	0.427	0.53
457606	4	C	19	41740	0.226	95	60	BK	0.572	258	0.268	0.333
457610	2	C	19	66360	0.286	95	60	BK	0.638	356	0.169	0.21
457613	1/0	B	19	105600	0.362	110	60	BK	0.736	517	0.106	0.132
457616	2/0	B	19	133100	0.405	110	60	BK	0.779	617	0.085	0.105
TBA	3/0	B	19	167800	0.456	110	80	BK	0.852	741	0.067	0.083
457619	4/0	B	19	211600	0.512	110	80	BK	0.928	939	0.053	0.066

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item

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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.

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