CU 600V NLEPR PVC Tower and Case Wire

600 Volt, 90°C, AREMA PART 10.3.15

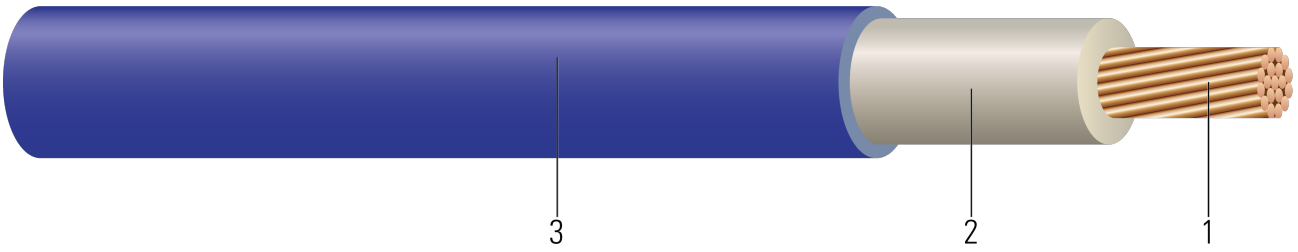


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Flexible stranded bare copper per ASTM B3
2. **Insulation:** No Lead Ethylene Propylene Rubber (NL-EPR)
3. **Jacket:** Polyvinyl Chloride (PVC)

APPLICATIONS AND FEATURES:

Southwire 600V No Lead EPR/PVC TC Blue Tower and Case Wire is suited for use as relay and associated signal apparatus wiring and for connector wire use in applications where flexibility, ease of termination, small diameters, long last- ing performance, and stable service life are required. May be installed in wet or dry locations. These cables are capable of operating continuously at a conductor temperature not in excess of 90°C for normal operation, 130°C for emergency overload conditions, and 250°C for short circuit conditions. Alternate colors are available upon request.

- Mechanically rugged
- High Performance No Lead EPR
- Excellent moisture resistance
- Resistant to heat, aging, and environmental hazards
- Cleanly strips from conductor
- RoHS/Proposition 65 Compliant
- FT2 Horizontal Flame Test
- Sequential footage markings on jacket

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ICEA S-95-658 (NEMA WC70) Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- AREMA Signal Manual Part 10.3.19 for EPR Type I Insulation
- AREMA Signal Manual Part 10.3.21 for PE Type II Jacket

SAMPLE PRINT LEGEND:

{SQFTG} SOUTHWIRE 1/C X AWG CU TOWER & CASE {YYYY}

Copyright © 2026 Southwire Company, LLC. All Rights Reserved

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
459463	16	C	19	2580	0.059	30	20	BE	0.164	18	4.181	5.189
459465	14	C	19	4110	0.073	30	20	BE	0.178	24	2.631	3.265
459467	12	C	19	6530	0.09	30	20	BE	0.197	33	1.662	2.063
459471	10	C	19	10380	0.117	30	20	BE	0.218	47	1.04	1.291
459473	9	C	19	13090	0.131	45	25	BE	0.275	66	0.825	1.024
459475	6	C	19	26240	0.179	60	30	BE	0.368	126	0.411	0.51

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.

Copyright © 2026 Southwire Company, LLC. All Rights Reserved