

# 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:** Solid Uncoated Copper
2. **Insulation:** High Performance No Lead Ethylene Propylene Rubber NL-EPR
3. **Jacket:** Polyvinyl Chloride PVC Jacket

## APPLICATIONS AND FEATURES:

Southwire 600V ECO Friendly 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 lasting 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
- Passes -60°C Cold bend
- RoHS/Proposition 65 Compliant
- FT2 Horizontal Flame Test
- Sequential footage markings on jacket

## SPECIFICATIONS:

- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- 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



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**Table 1 – Physical and Electrical Data**

Stock Number	Cond. Size AWG/kcmil	Strand Count No. of Strands	Cond. Number No.	Insul. Thickness mil	Jacket Thickness mil	Jacket Color	Approx. OD inch	Approx. Weight lb/1000ft
TBA	16	19	1	30	20	blue	0.158	17
587882	16	19	1	30	20	red	0.158	17
TBA	14	19	1	30	20	blue	0.174	23
TBA	12	19	1	45	20	blue	0.223	38
592335	10	19	1	30	20	blue	0.241	50
TBA	10	19	1	30	20	red	0.241	50
TBA	10	37	1	45	20	blue	0.260	55
TBA	9	19	1	45	25	blue	0.271	65

All dimensions are nominal and subject to normal manufacturing tolerances

◊ Cable marked with this symbol is a standard stock item

