



CU 600V NLEPR/PE Duplex Track Wire

600 Volt, 90°C, AREMA PART 10.3.16



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Solid bare copper per ASTM B3
2. **Insulation:** High Performance No Lead Ethylene Propylene Rubber (NL-EPR)
3. **Jacket:** Polyethylene (PE)

APPLICATIONS AND FEATURES:

Southwire 600V No Lead EPR/PE Duplex Track Wire is suited for use in track circuits, signal operations, and car retarder and switch machine applications where flexibility, ease of termination, and stable service life are required. May be installed in wet or dry locations, conduit trays or troughs, or directly buried. 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.

- Mechanically rugged
- High Performance No Lead EPR
- Excellent moisture resistance
- Resistant to heat, aging, and environmental hazards
- Passes -55°C Cold bend
- Cleanly strips from conductor
- Superior deformation resistance
- RoHS/Proposition 65 Compliant

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

Table 1 – Physical and Electrical Data

Stock Number	Cond. Size	Strand Count	Cond. Number	Insul. Thickness	Jacket Thickness	Approx. OD	Approx. Weight
	AWG/kmil	No. of Strands	No.	mil	mil	inch	lb/1000ft
459483	9	1	2	78	63	0.793	184

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.