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 Class	Strand Count	Cond. Cmil	Cond. Number	Diameter Over Conductor	Insul. Thickness	Jacket Thickness	Jacket Color	Approx. OD	Approx. Weight	DC Resistance @ 25°C	AC Resistance @ 75°C	Max Pull Tension
	AWG/ kcmil		No. of Strands	cmil	No.	inch	mil	mil		inch	lb/ 1000ft	Ω/1000ft	Ω/1000ft	lb
459483	9	SOLID	SOLID	13090	2	0.114	78	60	BE	0.793	184	0.825	1.024	105
459479	6	SOLID	SOLID	26240	2	0.162	94	60	BE	0.952	308	0.411	0.51	210

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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.

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