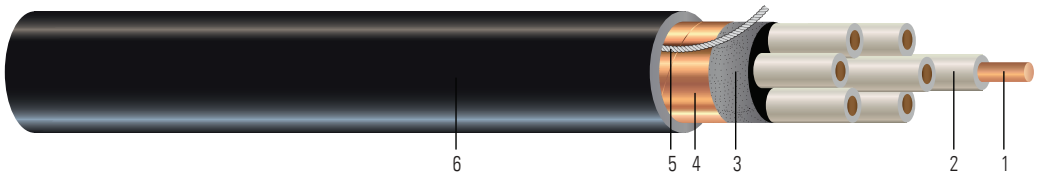
ARMORED TRANSIT VITAL SIGNAL CABLE

600 Volt 90°C AREMA PART 10.3.17. Underground Installations for Transit Systems



Images not to scale. See Table 1 for Dimensions

CONSTRUCTION:

1. **Conductors:** Solid Uncoated Copper
2. **Insulation:** High Performance No Lead Ethylene Propylene Rubber NL-EPR
3. **Fillers:** Non-Wicking Flame Retardant Fillers with 8 mil Cushioning Tape
4. **Armor:** Helically Wrapped 7 mils Cu 194 Alloy Tape
5. **Rip Chord:** Rip Chord for Ease of Jacket Removal
6. **Jacket:** Polyethylene PE Jacket

APPLICATIONS AND FEATURES:

Southwire 600V ECO Friendly No Lead EPR/PE Armored Underground Vital Signal Cable is suited for use in vital transit circuit safety systems where crush resistance, termite and rodent protection, and secure service life are a concern. Cables are designed for use in underground duct below grade or direct burial applications. 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.

- Mechanically Rugged
- High Performance No Lead EPR
- Excellent Moisture Resistance
- Resistant to Heat Aging and Environmental Hazards
- Premium Termite and Rodent Protection
- Cleanly Strips from Conductor
- Superior Deformation Resistance
- 40 Year Life
- RoHS/Proposition 65 Compliant
- Conductors Number Coded with One in Each layer Marked as “Tracer” for Quick Identification.

Made in USA

Southwire®

SPECIFICATIONS:

- ASTM B3 - Soft or annealed copper
- ASTM B8 - Concentric-lay-standard copper
- ASTM B496 - Compact round copper
- ICEA S-95-658 NEMA WC70 - Power ables rated 2000 volts or less for the distribution of electrical energy
- ICEA S-73-532/NEMA WC57 - Control, Thermocouple Extension and Instrumentation Cables
- 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 Weights and Measurements

Stock Number	Conductor Size	Number of Strands	Number of Conductors	Insulation Thickness	Jacket Wall Thickness	Approximate OD	Approximate Weight
	AWG			mils	mils	inches	Lbs/1000 Ft.
TBD	14	Solid	3	80	95	0.725	247
TBD	14	Solid	5	80	95	0.844	330
TBD	14	Solid	7	80	95	0.910	400
TBD	14	Solid	12	80	110	1.196	633
TBD	9	Solid	3	80	95	0.834	426
TBD	9	Solid	5	80	110	1.010	574
TBD	9	Solid	7	80	110	1.091	710
TBD	9	Solid	12	80	140	1.465	1160
TBD	6	Solid	3	95	110	1.036	611
TBD	6	Solid	5	95	110	1.225	882
TBD	6	Solid	7	95	140	1.390	1190

All dimensions are nominal and subject to normal manufacturing tolerances