

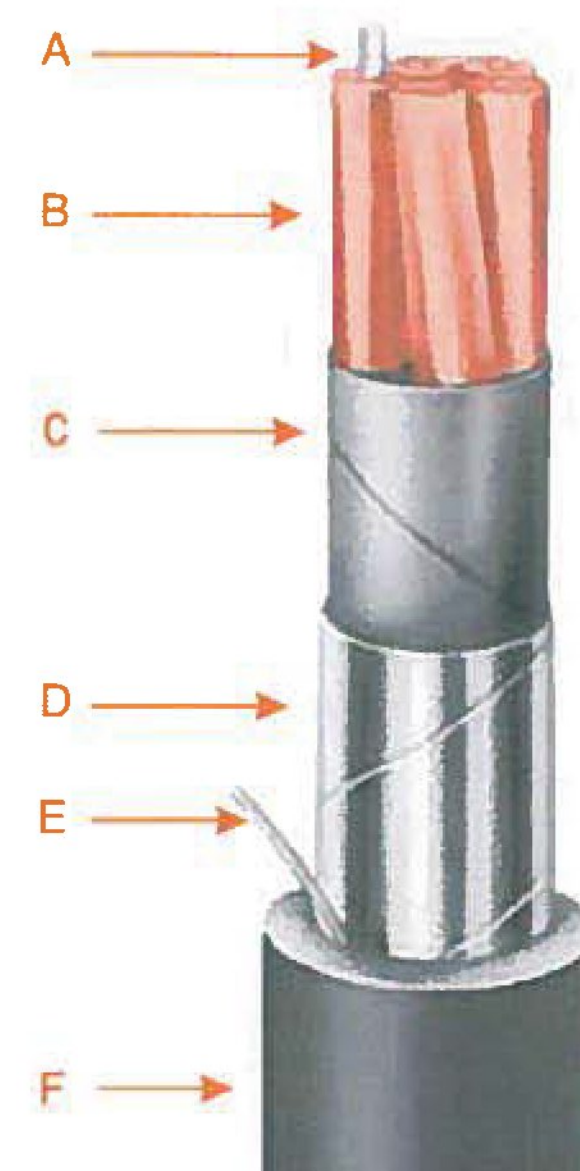
TranSystems Vermont Agency of Transportation Lyndon STPG SGNL(48) Project	
<input type="checkbox"/>	Approved Fabrication/Installation may be undertaken
<input checked="" type="checkbox"/>	Approved as Corrected 1 Approval provided comments are incorporated
<input type="checkbox"/>	Correct, Revise and Resubmit Fabrication/Installation MAY NOT be undertaken
<input type="checkbox"/>	No Action Taken
Review / approval does not relieve the contractor from complying with all the requirements of the contract	

Okonite® Armored Underground Signal Cables

With P.C.F. (Pull Cord Feature)

Heavy Duty Direct Burial Railroad Signal Cable

— AREMA Type I EPR Insulation — 600V
Multiple Copper Conductors/90°C Rating



1 - All Cable must meet the requirements of Special Provision Section 63 ACTIVE WARNING SYSTEM MATERIALS (j) Miscellaneous Products and Components Part 30 Vital Signal Cables (see attached pgs 58 to 61 of Special Provisions). Contractor shall provide appropriate test reports when cable is installed.

- A Solid or stranded, Uncoated Copper Conductors
- B Insulation—Okonite #14 AWG-#9 AWG 5/64", #6 - #2 AWG 6/64" with printed number code and tracer
- C Cushion Tape Layer
- D Flat Copper Alloy Armor Tape
- E Pull Cord
- F Jacket—Okolene with sequential footage markings

Insulation

Okonite EPR insulation is a heat, moisture and chemical resistant, mechanically rugged compound. The insulation thickness for size #14 AWG through #9 AWG is 5/64" and for #6 AWG through #2 AWG is 6/64". One conductor in each layer is identified as "Tracer". In addition, each conductor is number coded for ease of identification.

Assembly and Finish

Individual conductors are assembled with suitable fillers, where necessary, and a cable cushioning tape. A 7 mil flat copper alloy tape is then helically applied, giving outstanding mechanical protection. The black Okolene® (polyethylene) jacket is then applied overall.

Applications

Okonite Armored Underground Signal Cables are designed for use in all vital railroad signal circuits where security of service and long life are required in all vital circuit and safety related applications. These cables are recommended for use where crush resistance, termite and rodent protection are considerations and in all wet and dry locations.

Specifications

AREMA Signal Manual Part 10.3.17

Conductors: Solid uncoated copper per ASTM B-3, stranded uncoated compact round copper per ASTM B-496.

Insulation: Meets or exceeds electrical and physical requirements of ICEA S-95-658 (NEMA WC70) and AREMA Manual Part 10.3.19, thickness per table 10317-4.

Armor Tape: Copper alloy C19400 per ASTM B-465.

Jacket: Meets or exceeds electrical and physical requirements of ICEA S-95-658, Part 4.1.5.

Product Features

- Mechanically rugged.
- Resistant to aging.
- Easy to install and splice.
- Resistant to environmental hazards.
- Superior moisture resistance.
- Outstanding termite and rodent protection.
- Excellent electrical properties... high dielectric strength, low SIC and power factor and high insulation resistance.
- The Pull Cord feature affords easy and quick accessibility to conductors for splicing and terminating.
- Sequential footage markings on surface of outer jacket.

COMPOSITE CONSTRUCTIONS

Okonite Insulation: #14 AWG through #9 AWG 5/64", #6 AWG 6/64"

Catalog Number	Composite Make-Up	Conductors No. x Size (# Strands)	Conductors No. x Size (# Strands)	Outer Jacket Thickness 64th	Approx Cable O.D. (In.)	Approx Net Wt. Lbs./M'	Approx Ship Wt. Lbs./M'
206-11-8974	7/C	2 x 9 (1X)	5 x 14 (1X)	5	0.99	523	574
▲ 206-11-8255	15/C	3 x 6 (1X)	12 x 14 (1X)	6	1.48	1711	1319
▲ 206-11-6283	19/C	6 x 6 (1X)	13 x 14 (1X)	6	1.69	1674	1877

▲ Authorized Stock Item - Available from Customer Service Centers.

Composite Cable Constructions are also available with stranded conductors. Consult your Okonite Representative.