



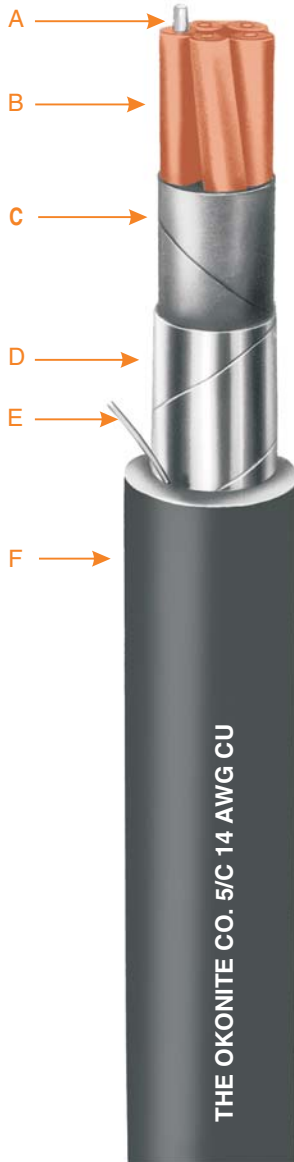
# Okonite® Armored Underground Signal Cables

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

Heavy Duty Direct Burial Railroad Signal Cable

— AREMA Type 1 EPR Insulation — 600V

Multiple Copper Conductors/90°C Rating



- 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 marking

### 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.

# Okonite Armored Underground Signal Cables

## Product Data Section 7: Sheet 1

Okonite Insulation: #14 AWG Through #9 AWG, 5/64", #6 through #2 AWG, 6/64"

Catalog Number	Size AWG	No. of Strands (1)	No. Condrs.	Outer Jacket Thickness-64th	Approx. Cable O.D. Inches	Net Wt. Lbs./M'	Approx. Ship Wt. Lbs./M'
▲ 206-11-6882	14	Sol.	2	4	.65	208	241
206-11-6883	14	Sol.	3	4	.68	253	286
206-11-6884	14	Sol.	4	4	.74	300	338
▲ 206-11-6885	14	Sol.	5	4	.81	349	408
▲ 206-11-6887	14	Sol.	7	5	.91	451	510
206-11-6889	14	Sol.	9	5	1.05	579	671
206-11-6890	14	Sol.	10	5	1.12	698	790
▲ 206-11-6892	14	Sol.	12	5	1.17	700	792
206-11-6895	14	Sol.	15	6	1.33	871	994
206-11-6896	14	Sol.	16	6	1.33	906	1029
▲ 206-11-6899	14	Sol.	19	6	1.40	1028	1151
206-11-6901	14	Sol.	21	6	1.47	1127	1250
▲ 206-11-6907	14	Sol.	27	6	1.67	1388	1638
▲ 206-11-6910	14	Sol.	37	7	1.89	1834	2076
206-11-6692	12	Sol.	2	4	.68	240	273
206-11-6693	12	Sol.	3	4	.72	292	330
206-11-6694	12	Sol.	4	4	.78	354	392
206-11-6695	12	Sol.	5	4	.85	412	471
206-11-6697	12	Sol.	7	5	.96	535	594
206-11-6699	12	Sol.	9	5	1.11	689	781
206-11-6700	12	Sol.	10	5	1.19	774	866
206-11-6702	12	Sol.	12	5	1.24	847	952
206-11-6812	10	Sol.	2	4	.72	279	317
206-11-6813	10	Sol.	3	4	.76	346	384
206-11-6814	10	Sol.	4	4	.83	424	483
206-11-6815	10	Sol.	5	5	.94	518	577
206-11-6817	10	Sol.	7	5	1.02	654	746
206-11-6819	10	Sol.	9	5	1.18	842	934
206-11-6820	10	Sol.	10	6	1.30	973	1078
206-11-6822	10	Sol.	12	6	1.36	1076	1199
206-11-6922	9	Sol.	2	4	.75	317	350
▲ 206-11-6923	9	Sol.	3	4	.79	384	443
206-11-6924	9	Sol.	4	5	.90	495	554
▲ 206-11-6925	9	Sol.	5	5	.97	581	640
▲ 206-11-6927	9	Sol.	7	5	1.06	737	829
206-11-6928	9	Sol.	8	5	1.14	843	935
206-11-6929	9	Sol.	9	5	1.23	952	1057
▲ 206-11-6930	9	Sol.	10	6	1.35	1098	1221
206-11-6931	9	Sol.	12	6	1.42	1215	1338
▲ 206-11-6242	6	Sol.	2	5	.94	505	564
▲ 206-11-6243	6	Sol.	3	5	1.00	632	724
206-11-6244	6	Sol.	4	5	1.10	789	881
▲ 206-11-6245	6	Sol.	5	5	1.20	952	1044
▲ 206-11-6247	6	Sol.	7	6	1.34	1245	1368
206-11-6248	6	Sol.	8	6	1.45	1429	1552
206-11-6249	6	Sol.	9	6	1.56	1642	1820
▲ 206-11-6070*	6	7	3*	5	1.01	698	753
▲ 206-11-6042	4	7	2	5	1.02	619	674
▲ 206-11-6045	4	7	5	6	1.34	1266	1356
▲ 206-11-6130**	2	7	3**	6	1.28	1256	1346

Minimum Manufacturing Quantity is 1000 ft. Standard Package—1000' N.R. Reel.

▲ Authorized Stock Item - Available from Customer Service Centers.

(1) This construction is also available with stranded conductors. Consult your Okonite Representative.

\* Includes 1 #8 AWG Class B Ground

\*\* Includes 1 #6 AWG Class B Ground