



# Okonite® Transit Vital Signal Cable

## Aerial/Tunnel Installations for Transit Systems

600V Rated



- A Solid or Stranded, Uncoated Copper Conductors
- B Insulation-Okonite
- C Cushion Tape Layer
- D Outer Jacket

### Insulation

Okonite EPR® insulation is a heat, moisture and chemical resistant, mechanically rugged zero halogenated compound. The insulation thickness shall meet the requirements of AREMA Signal Manual - Part 10.3.16 or Part 10.3.17 Table 1 - Type II. Each conductor is number coded for ease of identification. One conductor in each layer is identified as "Tracer".

### Jackets

Individual conductors are assembled with flame and moisture resistant fillers where needed and cable cushioning tape. Jacket materials will be one of the type listed in AREMA Signal Manual - Part 10.3.16 or Part 10.3.17. Jacket thickness shall meet Table 3 of these sections.

### Application

Cables are designed for aerial and tunnel installations, for vital circuit safety related applications.

### Specifications

**Copper Conductors:** May be solid or stranded, uncoated or coated, meeting the requirements of AREMA Signal Manual Part 10.3.16 or 10.3.17.

**Insulation:** Meets or exceeds electrical and physical requirements of ICEA S-95-658 and AREMA Signal Manual Parts 10.3.16 and 10.3.17.

### Assembly:

Per AREMA Signal Manual Part 10.3.16 or Part 10.3.17.

### Outer Jacket:

Meets requirements of AREMA Signal Manual and meets or exceeds electrical and physical requirements of ICEA S-73-532.

### Product Features

- Okonite EPR in-house developed and mixed insulating compound.
- Extreme heat resistance.
- Outstanding mechanical strength at elevated temperatures.
- Long Service Life - resists long term aging.
- Excellent electrical stability.
- High Insulation resistance.
- Resistant to environmental hazards.
- Easy to install and maintain.
- Acid, alkali, oil and flame resistant.
- Color coded to industry requirements.
- Excellent mechanical and electrical characteristics.
- Superior moisture resistance.
- Flexible and coated conductors are available upon special request.
- 40 Year Life.
- Jackets available upon request; Okolon , TS-CPE  
Okolon , TP-CPE  
Okoclear TS (XLPO\*)  
Okoclear TP (TPPO\*)  
Okolene (PE).

\*XLPO and TPPO are Low Smoke, Zero Halogen jacket materials

Catalog Number	Size AWG	No. Condrs.	Type II Insulation Thickness (Mils)	Insulation Thickness (mm)	Jacket Thickness (Mils)	Jacket Thickness (mm)	Approx. O.D. (In.)	Approx. O.D. (mm)	Net Wt. (Lbs./M')	Ship Wt. (Lbs./M')
206-11-2xxx	14	3	60	1.5	60	1.5	0.56	145	190	215
206-11-2xxx	14	5	60	1.5	80	2.0	0.70	18.0	305	340
206-11-2xxx	14	7	60	1.5	80	2.0	0.76	19.5	340	380
206-11-2xxx	14	12	60	1.5	95	2.5	1.02	26.0	580	635
206-11-2xxx	14	19	60	1.5	95	2.5	1.18	30.0	805	885
206-11-2xxx	14	27	60	1.5	110	2.8	1.43	36.5	1160	1265
206-11-2xxx	14	37	60	1.5	110	2.8	1.59	40.5	1470	1610
206-11-2xxx	9	3	60	1.5	80	2.0	0.71	13.0	350	380
206-11-2xxx	9	5	60	1.5	80	2.0	0.84	21.5	470	510
206-11-2xxx	9	7	60	1.5	95	2.5	0.94	24.0	675	730
206-11-2xxx	9	12	60	1.5	95	2.5	1.23	31.5	1055	1145