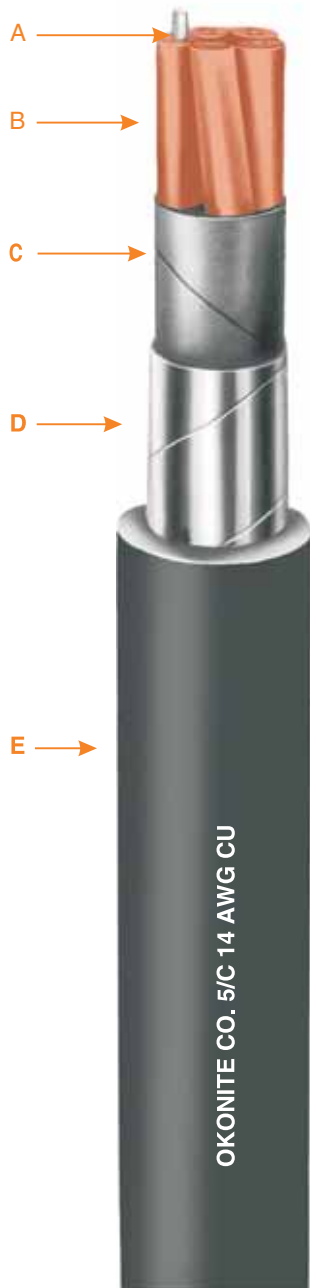




Okonite® Transit Vital Signal Cable

Underground Installations for Transit Systems

600V Rated, 90°C Rating



- A Solid or Stranded, Uncoated Copper Conductors
- B Insulation-Okonite
- C Cushion Tape Layer
- D Bronze or Copper Alloy Tape (Optional)
- E 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 I - 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 types 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 underground duct installations below grade or direct burial installation, where rugged mechanical characteristics are required 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 Part 10.3.9 and 10.3.17.

Assembly:

Per AREMA Manual Part 10.3.16 or 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 resistant.
- Color coded to industry requirements.
- Excellent mechanical and electrical characteristics.
- Superior moisture resistance.
- Multi-strand and coated conductors are available upon special request.
- Jackets available upon request;
Okolon , TS-CPE
Okolon , TP-CPE
Okoclear TS (XLPO*)
Okoclear TP (TPPO*)
Okolene (PE).
- 40 Year Life.
- Rodent Protection. (Optional Bronze or Copper Alloy Tape)

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

Okonite Transit Vital Signal Cable

Product Data Section 7: Sheet 3

Underground Installations for Transit Systems - 600V Rated
Multiple Copper Conductors 90°C Rating

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-xxx	14	3	80	2.0	95	2.4	0.71	18	283	313
206-11-xxx	14	5	80	2.0	95	2.4	0.83	21	388	418
206-11-xxx	14	7	80	2.0	95	2.4	0.90	23	455	488
206-11-xxx	14	12	80	2.0	110	2.8	1.20	31	749	823
206-11-xxx	14	19	80	2.0	140	3.2	1.43	36	1083	1270
206-11-xxx	14	37	80	2.0	140	3.2	1.70	43	1496	1684
206-11-xxx	14	37	80	2.0	155	4.0	1.96	50	2018	2248
206-11-xxx	9	3	80	2.0	95	2.4	0.82	21	413	443
206-11-xxx	9	5	80	2.0	110	2.8	1.00	25	656	714
206-11-xxx	9	7	80	2.0	110	2.8	1.08	27	790	860
206-11-xxx	9	12	80	2.0	140	3.2	1.45	37	1263	1375
206-11-xxx	6	3	95	2.4	110	2.8	1.03	26	735	793
206-11-xxx	6	5	95	2.4	110	2.8	1.22	31	1077	1184
206-11-xxx	6	7	95	2.4	140	3.2	1.36	35	1337	1449