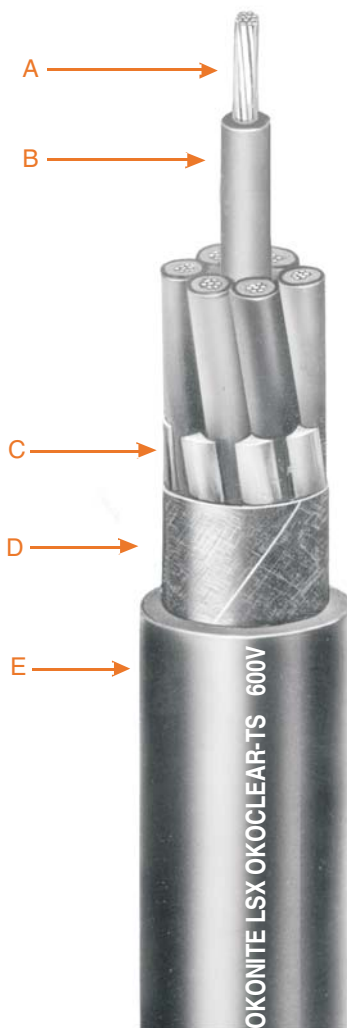




Okonite® LSX Transit Signal Cables

UL Type TC-LS, XHHW-2, 600V

Multiple Copper Conductors/90°C Wet or Dry Rating
Sunlight Resistant - For Direct Burial



- A Stranded Copper Conductors
- B Okonite LSX Insulation
- C Fillers, as necessary
- D Binder Tape
- E Okoclear-TS Jacket

Insulation

Okonite LSX insulation is a non-halogenated, low smoke flame retardant EPCV insulation. Okonite LSX insulation is a heat, moisture, and chemical resistant, mechanically rugged compound. 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 non-halogenated, low smoke flame retardant fillers, where necessary, and a cable binder tape. The black Okoclear-TS jacket is a non-halogenated, low smoke crosslinked polyolefin (XLPO) based compound. It provides excellent resistance to mechanical abuse, flame, weathering, most oils, acids, and alkalis.

Applications

Okonite LSX Transit Signal Cables are designed for use in all vital transit circuits where the security of service, low smoke features, and long life are required. These 90°C rated designs can be used in wet and dry locations.

Specifications

Conductors: Uncoated soft copper per ASTM B3. Sizes smaller than #8 are compressed per ASTM B8. Sizes #8 and larger are compact per ASTM B496. Alternate conductor options available upon request.

Insulation: Non-halogenated, low smoke flame retardant EPCV insulation meets or exceeds requirements of UL 44. UL listed as XHH, XHHW, XHHW-2, RHH, RHW, and RHW-2.

Conductor Identification: Surface printed number code, i.e. "1-ONE", with contrasting colored ink.

Assembly: Insulated conductors are cabled with optional grounding conductor(s), low smoke, zero halogen fillers, when necessary, and an overall cable tape. When requested, a 7 mil flat copper alloy tape can be supplied.

Overall Jacket: Non-halogenated, low smoke crosslinked polyolefin (XLPO) jacket meets or exceeds requirements of UL 1277.

Product Features

- 90°C continuous rating in wet or dry locations.
- 130°C emergency overload rating.
- 250°C short circuit rating.
- UL listed as Type TC, FT4/IEEE 1202, and as Limited Smoke "-LS".
- NFPA 130 compliant.
- Sunlight Resistant.
- For Direct Burial.
- When required, OIL RES I or OIL RES II.
- Mechanically rugged.
- Resistant to moisture and most chemical atmospheres.
- Excellent electrical properties including high dielectric strength, low SIC and power factor, and high insulation resistance.
- Thermal stability at elevated temperatures.
- Flexible, easy to install and terminate.
- For AREMA requirements, please contact Applications Engineering.
- When required, UL listed single conductor constructions may be provided. Contact Applications Engineering for details.

Okonite® LSX Transit Signal Cables



Product Data Section 7: Sheet 26

UL Type TC-LS, XHHW-2, 600V

Multiple Copper Conductors/90°C Wet or Dry Rating
Sunlight Resistant - For Direct Burial

| Catalog Number | Number of Conductors | Conductor Size (AWG) | Insulation Thickness (mils) | Jacket Thickness (mils) | Approx. O.D. (in.) | Approx. Net Weight lbs./1000' | Approx. Ship Weight lbs./1000' |
|----------------|----------------------|----------------------|-----------------------------|-------------------------|--------------------|-------------------------------|--------------------------------|
| 206-24-2802 | 2 | 14(7X) | 30 | 45 | 0.40 | 102 | 113 |
| 206-24-2803 | 3 | | | 45 | 0.42 | 125 | 136 |
| 206-24-2804 | 4 | | | 45 | 0.46 | 147 | 160 |
| 206-24-2805 | 5 | | | 45 | 0.50 | 170 | 183 |
| 206-24-2807 | 7 | | | 45 | 0.54 | 210 | 226 |
| 206-24-2809 | 9 | | | 60 | 0.66 | 302 | 325 |
| 206-24-2810 | 10 | | | 60 | 0.70 | 341 | 370 |
| 206-24-2812 | 12 | | | 60 | 0.76 | 398 | 427 |
| 206-24-2815 | 15 | | | 60 | 0.81 | 466 | 499 |
| 206-24-2816 | 16 | | | 60 | 0.81 | 468 | 501 |
| 206-24-2819 | 19 | | | 60 | 0.85 | 533 | 566 |
| 206-24-2821 | 21 | | | 80 | 0.94 | 627 | 678 |
| 206-24-2827 | 27 | | | 80 | 1.06 | 799 | 857 |
| 206-24-2837 | 37 | | | 80 | 1.18 | 1008 | 1120 |
| 206-24-2842 | 2 | 12(7X) | 30 | 45 | 0.44 | 125 | 136 |
| 206-24-2843 | 3 | | | 45 | 0.46 | 157 | 170 |
| 206-24-2844 | 4 | | | 45 | 0.50 | 201 | 217 |
| 206-24-2845 | 5 | | | 60 | 0.58 | 256 | 272 |
| 206-24-2847 | 7 | | | 60 | 0.62 | 315 | 335 |
| 206-24-2849 | 9 | | | 60 | 0.72 | 420 | 449 |
| 206-24-2850 | 10 | | | 60 | 0.77 | 476 | 505 |
| 206-24-2852 | 12 | | | 80 | 0.88 | 599 | 652 |
| 206-24-2862 | 2 | 10(7X) | 30 | 45 | 0.48 | 168 | 181 |
| 206-24-2863 | 3 | | | 45 | 0.51 | 216 | 232 |
| 206-24-2864 | 4 | | | 60 | 0.59 | 285 | 303 |
| 206-24-2865 | 5 | | | 60 | 0.64 | 354 | 377 |
| 206-24-2867 | 7 | | | 60 | 0.70 | 442 | 471 |
| 206-24-2869 | 9 | | | 60 | 0.81 | 570 | 603 |
| 206-24-2870 | 10 | | | 80 | 0.91 | 687 | 740 |
| 206-24-2872 | 12 | | | 80 | 1.00 | 811 | 862 |
| 206-24-2882 | 2 | 9(7X) | 45 | 60 | 0.60 | 243 | 261 |
| 206-24-2883 | 3 | | | 60 | 0.64 | 298 | 321 |
| 206-24-2884 | 4 | | | 60 | 0.70 | 381 | 410 |
| 206-24-2885 | 5 | | | 60 | 0.76 | 457 | 486 |
| 206-24-2887 | 7 | | | 60 | 0.83 | 576 | 623 |
| 206-24-2889 | 9 | | | 80 | 1.01 | 822 | 873 |
| 206-24-2890 | 10 | | | 80 | 1.08 | 935 | 1047 |
| 206-24-2892 | 12 | | | 80 | 1.18 | 1070 | 1182 |
| 206-24-2902 | 2 | 6(7X) | 45 | 60 | 0.69 | 380 | 409 |
| 206-24-2903 | 3 | | | 60 | 0.73 | 455 | 484 |
| 206-24-2904 | 4 | | | 60 | 0.80 | 574 | 621 |
| 206-24-2905 | 5 | | | 80 | 0.92 | 755 | 808 |
| 206-24-2907 | 7 | | | 80 | 1.00 | 966 | 1035 |
| 206-24-2909 | 9 | | | 80 | 1.17 | 1293 | 1405 |
| 206-24-2910 | 10 | | | 80 | 1.25 | 1441 | 1555 |
| 206-24-2912 | 12 | | | 80 | 1.36 | 1670 | 1822 |

Okonite's web site, www.okonite.com, contains the most up to date information.