

INSTRUMENTATION



- ▶ **Triads**
- ▶ **LS-XLP**
- ▶ **LSZH**
- ▶ **STOS**
- ▶ **Type TC**
- ▶ **600V**

PRODUCT CONSTRUCTION

Conductor: 18 AWG and 16 AWG tinned, annealed copper per ASTM B33. Class B stranding per ASTM B8.

Insulation: Lead-free, flame-retardant, low-smoke, Cross-Linked Polyethylene (XLPE). Color-coded per ICEA Method 1: Triads – black, white and red. One conductor in each triad is printed alphanumerically for easy identification.

Shield: *Individual and overall shielded triads.* Individual triads are 100% individually shielded with aluminum/polyester in contact with stranded tinned copper drain wire. Overall shield is aluminum/polymer in contact with stranded tinned copper drain wire.

Jacket: Lead-free, flame-retardant, sunlight-resistant, Low-Smoke, Zero-Halogen Polyolefin (LSZH).

APPLICATIONS

In free air, raceways or direct burial. In wet or dry locations. Permitted for use in Class I, Division 2 industrial hazardous locations per NEC.

FEATURES

Rated at 90°C wet or dry. Ripcord applied to all cables with jacket thickness of 60 mils or less. Excellent physical and electrical properties. Excellent moisture resistance. Excellent resistance to compression and impact. Chemical-resistant. Low coefficient of friction for easy pulling. Sunlight- and weather-resistant. Meets cold bend test at -30°C. Low-Smoke, Zero-Halogen jacket is environmentally safe and reduces the amount of toxic and corrosive gases emitted during combustion.

COMPLIANCES

Industry: UL 1277 Type TC-LS. UL 1581. ICEA S-73-532/NEMA WC57. ICEA T-33-655. RoHS compliant.

Flame Test: UL 1581/UL 2556 VW-1. UL 1685 Vertical Flame Test. IEEE 383. IEEE 1202. CSA FT4. ICEA T-29-520.

Other: EPA 40 CFR, Part 261, for leachable lead content per TCLP. OSHA acceptable.

USAWC Part #	No. of Triads	Size Strands	Insulation Thickness (Inches)	Jacket Thickness (Inches)	Nominal OD (Inches)	Copper Weight (lbs./1000 ft.)	Approx. Net Wt. (lbs./1000 ft.)
USA18-02STOSLSZHTC	2	18 7/Str	.030	.060	.595	38	150
USA18-04STOSLSZHTC	4	18 7/Str	.030	.060	.690	74	231
USA18-08STOSLSZHTC	8	18 7/Str	.030	.080	.940	145	435
USA18-12STOSLSZHTC	12	18 7/Str	.030	.080	1.135	217	612
USA18-16STOSLSZHTC	16	18 7/Str	.030	.080	1.265	289	773
USA18-24STOSLSZHTC	24	18 7/Str	.030	.080	1.565	432	1097
USA18-36STOSLSZHTC	36	18 7/Str	.030	.110	1.860	647	1662
USA16-02STOSLSZHTC	2	16 7/Str	.030	.060	.640	57	183
USA16-04STOSLSZHTC	4	16 7/Str	.030	.060	.745	111	494
USA16-08STOSLSZHTC	8	16 7/Str	.030	.080	1.015	219	549
USA16-12STOSLSZHTC	12	16 7/Str	.030	.080	1.230	328	777
USA16-16STOSLSZHTC	16	16 7/Str	.030	.080	1.370	437	988
USA16-24STOSLSZHTC	24	16 7/Str	.030	.110	1.760	654	1530
USA16-36STOSLSZHTC	36	16 7/Str	.030	.110	2.015	979	2142

Note: Standard color coding is Method E-1 for NEC applications per ICEA; Triads– black, white and red. One conductor in each triad is printed alphanumerically.