

# INSTRUMENTATION



- ▶ **Pairs/Triads**
- ▶ **LS-XLP**
- ▶ **LSZH**
- ▶ **OS**
- ▶ **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: Pairs – black and white. Triads – black, white and red. One conductor in each pair or triad is printed alphanumerically for easy identification.

**Shield:** *Overall shielded pairs/triads.* 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 Pairs/Triads	Size Strands	Insulation Thickness (Inches)	Jacket Thickness (Inches)	Nominal OD (Inches)	Copper Weight (lbs./1000 ft.)	Approx. Net Wt. (lbs./1000 ft.)
USA18-01POSLSZHTC	1	18 7/Str	.030	.045	.315	13	46
USA18-01TOSLSZHTC	1 TRI	18 7/Str	.030	.045	.340	18	58
USA16-01POSLSZHTC	1	16 7/Str	.030	.045	.345	18	32
USA16-01TOSLSZHTC	1 TRI	16 7/Str	.030	.045	.360	26	72

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