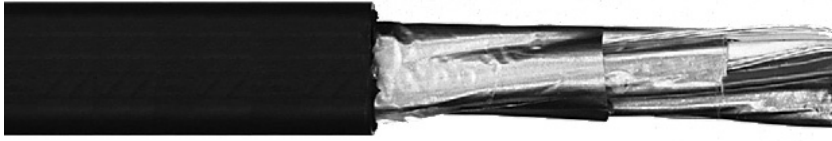


INSTRUMENTATION



- ▶ Pairs
- ▶ LS-XLP
- ▶ LSZH
- ▶ SPOS
- ▶ 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. One conductor in each pair is printed alphanumerically for easy identification.

Shield: *Individual and overall shielded pairs.* Individual pairs 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 Pairs	Size Strands	Insulation Thickness (Inches)	Jacket Thickness (Inches)	Nominal OD (Inches)	Copper Weight (lbs./1000 ft.)	Approx. Net Wt. (lbs./1000 ft.)
USA18-02SPOSLSZHTC	2	18 7/Str	.030	.045	.510	27	92
USA18-04SPOSLSZHTC	4	18 7/Str	.030	.060	.630	53	167
USA18-08SPOSLSZHTC	8	18 7/Str	.030	.080	.855	103	326
USA18-12SPOSLSZHTC	12	18 7/Str	.030	.080	1.030	153	441
USA18-16SPOSLSZHTC	16	18 7/Str	.030	.080	1.140	206	554
USA18-24SPOSLSZHTC	24	18 7/Str	.030	.080	1.450	311	795
USA18-36SPOSLSZHTC	36	18 7/Str	.030	.110	1.650	461	1118
USA18-50SPOSLSZHTC	50	18 7/Str	.030	.110	2.085	640	1616
USA16-02SPOSLSZHTC	2	16 7/Str	.030	.060	.585	40	130
USA16-04SPOSLSZHTC	4	16 7/Str	.030	.060	.675	77	204
USA16-06SPOSLSZHTC	6	16 7/Str	.030	.060	.800	115	301
USA16-08SPOSLSZHTC	8	16 7/Str	.030	.080	.915	151	394
USA16-12SPOSLSZHTC	12	16 7/Str	.030	.080	1.110	226	548
USA16-16SPOSLSZHTC	16	16 7/Str	.030	.080	1.350	305	713
USA16-24SPOSLSZHTC	24	16 7/Str	.030	.080	1.570	455	1001
USA16-36SPOSLSZHTC	36	16 7/Str	.030	.110	1.980	683	1548
USA16-50SPOSLSZHTC	50	16 7/Str	.030	.110	2.165	946	2020

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