

INSTRUMENTATION



- ▶ **Triads**
- ▶ **PVC/Nylon**
- ▶ **PVC**
- ▶ **STOS**
- ▶ **Type TC-ER**
- ▶ **600V**

PRODUCT CONSTRUCTION

Conductor: 18 AWG and 16 AWG bare, annealed copper per ASTM B3. Class B stranding per ASTM B8.

Insulation: Flame-retardant Polyvinyl Chloride (PVC) with clear Polyamide (nylon). 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% 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 Polyvinyl Chloride (PVC).

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 dry, 75°C wet. Ripcord applied to all cables with jacket thickness of 60 mils or less. Provides sunlight, cold bend and cold impact resistance. Offers the smallest cable O.D. available for suitable applications. Provides excellent oil and chemical resistance.

Meets cold bend test at -25° C.

COMPLIANCES

Industry: UL 1277 Type TC. UL 1581. NEC Type TFN conductors. ICEA S-73-532/NEMA WC57.

Flame Test: UL 1685 Vertical Flame Test. IEEE 383. IEEE 1202. CSA FT4.

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

USAWC Part #	No. of Triads	Size Strands	Insulation Thickness (Mils) (PVC/Nylon)	Jacket Thickness (Mils)	Nominal OD (Inches)	Copper Weight (lbs./1000 ft.)	Approx. Net Wt. (lbs./1000 ft.)
USA18-02STOSVNTC	2	18 7/Str	15/4	47	.453	38	117
USA18-04STOSVNTC	4	18 7/Str	15/4	62	.557	73	190
USA18-08STOSVNTC	8	18 7/Str	15/4	62	.718	144	327
USA18-12STOSVNTC	12	18 7/Str	15/4	82	.909	218	495
USA18-16STOSVNTC	16	18 7/Str	15/4	82	1.008	290	628
USA18-24STOSVNTC	24	18 7/Str	15/4	82	1.242	433	899
USA18-36STOSVNTC	36	18 7/Str	15/4	82	1.421	649	1279
USA16-02STOSVNTC	2	16 7/Str	15/4	47	.509	57	156
USA16-04STOSVNTC	4	16 7/Str	15/4	62	.624	108	253
USA16-08STOSVNTC	8	16 7/Str	15/4	62	.810	217	444
USA16-12STOSVNTC	12	16 7/Str	15/4	82	1.024	328	671
USA16-16STOSVNTC	16	16 7/Str	15/4	82	1.138	436	858
USA16-24STOSVNTC	24	16 7/Str	15/4	82	1.408	653	1238
USA16-36STOSVNTC	36	16 7/Str	15/4	82	1.615	979	1777