

INSTRUMENTATION



- ▶ **Pairs/Triads**
- ▶ **FR-EPR**
- ▶ **CPE**
- ▶ **OS**
- ▶ **Type TC-ER**
- ▶ **600V**

PRODUCT CONSTRUCTION

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

Insulation: Flame-retardant Ethylene Propylene Rubber (FR-EPR) Type II. Color-coded per ICEA Method 1: Pairs – black and white; Triads – black, white and red. One conductor in each pair 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, thermoplastic Chlorinated Polyethylene (CPE).

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, thermal and electrical properties. Excellent moisture resistance. Excellent resistance to compression cuts and heat deformation. Excellent flame resistance – burns to an ash; does not exhibit thermoplastic drip. Low coefficient of friction for easy pulling. Sunlight- and weather-resistant. Excellent low temperature cold bend characteristics. Meets cold bend test at -40°C.

COMPLIANCES

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

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.)	Net Weight (lbs./1000 ft.)
USA18-01POSECPETC	1	18 / 7 str	.025	.045	.300	13	42
USA18-01TOSECPETC	1 TRI	18 / 7 str	.025	.045	.315	18	53
USA16-01POSECPETC	1	16 / 7 str	.025	.045	.320	18	52
USA16-01TOSECPETC	1 TRI	16 / 7 str	.025	.045	.335	26	66