

INSTRUMENTATION



- ▶ Pairs
- ▶ FR-EPR
- ▶ CPE
- ▶ SPOS
- ▶ 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. One conductor in each pair is printed alphanumerically for easy identification.

Shield: *Individual and overall shielded pairs.* Individual pairs 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, 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	Size Strands	Insulation Thickness (Inches)	Jacket Thickness (Inches)	Nominal OD (Inches)	Copper Net Wt. (lbs./1000 ft.)	Approx. Net Wt. (lbs./1000 ft.)
USA18-02SPOSECPETC	2	18 7/Str	.025	.045	.473	27	83
USA18-04SPOSECPETC	4	18 7/Str	.025	.060	.586	53	152
USA18-08SPOSECPETC	8	18 7/Str	.025	.060	.751	103	259
USA18-12SPOSECPETC	12	18 7/Str	.025	.080	.948	153	398
USA18-16SPOSECPETC	16	18 7/Str	.025	.080	1.050	206	502
USA18-24SPOSECPETC	24	18 7/Str	.025	.080	1.220	311	709
USA18-36SPOSECPETC	36	18 7/Str	.025	.080	1.474	461	1008
USA18-50SPOSECPETC	50	18 7/Str	.025	.110	1.780	640	1454
USA16-02SPOSECPETC	2	16 7/Str	.025	.045	.500	40	103
USA16-04SPOSECPETC	4	16 7/Str	.025	.060	.650	77	189
USA16-06SPOSECPETC	6	16 7/Str	.025	.060	.755	115	268
USA16-08SPOSECPETC	8	16 7/Str	.025	.060	.840	151	330
USA16-12SPOSECPETC	12	16 7/Str	.025	.080	1.065	226	506
USA16-16SPOSECPETC	16	16 7/Str	.025	.080	1.185	305	643
USA16-24SPOSECPETC	24	16 7/Str	.025	.080	1.485	455	932
USA16-36SPOSECPETC	36	16 7/Str	.025	.080	1.760	683	1410
USA16-50SPOSECPETC	50	16 7/Str	.025	.110	2.035	946	1883