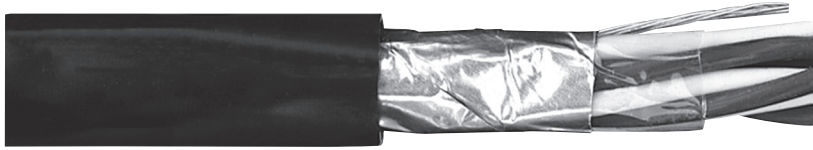


FREP®FR-EPR/CPE, Instrumentation, Shielded 600 V
UL Type TC, Overall Shielded Pairs/Triads

CATALOG NUMBER	NO. OF PAIRS/ TRIADS	COND. SIZE (AWG)	COND. STRAND	MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET THICKNESS		NOMINAL CABLE O.D.		COPPER WEIGHT		NET WEIGHT	
				IN	mm	IN	mm	IN	mm	LBS/ 1000 FT	kg/km	LBS/ 1000 FT	kg/km

OVERALL SHIELDED PAIRS/TRIADS 18 AWG CONDUCTORS

287650*	1	18	7W	0.030	0.76	0.045	1.14	0.315	8.00	15	23	49	74
325250*	1 TRI	18	7W	0.030	0.76	0.045	1.14	0.340	8.64	18	26	58	87
337010*	2	18	7W	0.030	0.76	0.045	1.14	0.460	11.68	23	34	83	123
337020*	4	18	7W	0.030	0.76	0.045	1.14	0.570	14.48	44	65	129	192
337030*	8	18	7W	0.030	0.76	0.060	1.52	0.735	18.67	86	127	246	367
337040*	12	18	7W	0.030	0.76	0.060	1.52	0.900	22.86	127	189	336	499
294580*	16	18	7W	0.030	0.76	0.080	2.03	1.010	25.65	169	251	468	696
337050*	20	18	7W	0.030	0.76	0.080	2.03	1.120	28.45	210	313	561	835
337060*	24	18	7W	0.030	0.76	0.080	2.03	1.220	30.99	252	375	664	989
337070*	36	18	7W	0.030	0.76	0.080	2.03	1.490	37.85	377	561	952	1416
337080*	50	18	7W	0.030	0.76	0.080	2.03	1.780	45.21	523	778	1258	1872

OVERALL SHIELDED PAIRS/TRIADS 16 AWG CONDUCTORS

314960	1	16	7W	0.030	0.76	0.045	1.14	0.340	8.64	24	36	61	91
279690	1 TRI	16	7W	0.030	0.76	0.045	1.14	0.355	9.02	33	48	76	113
283170*	2	16	7W	0.030	0.76	0.045	1.14	0.495	12.57	41	61	118	176
283180*	4	16	7W	0.030	0.76	0.060	1.52	0.610	15.49	75	111	185	275
337090*	8	16	7W	0.030	0.76	0.060	1.52	0.800	20.32	135	201	323	481
283190*	12	16	7W	0.030	0.76	0.080	2.03	0.975	24.77	202	300	482	717
337100*	16	16	7W	0.030	0.76	0.080	2.03	1.100	27.94	268	398	628	934
337110*	20	16	7W	0.030	0.76	0.080	2.03	1.230	31.24	335	498	748	1113
337120*	24	16	7W	0.030	0.76	0.080	2.03	1.330	33.78	401	597	888	1321
337130*	36	16	7W	0.030	0.76	0.080	2.03	1.640	41.66	601	894	1276	1899
337140*	50	16	7W	0.030	0.76	0.080	2.03	2.320	58.93	834	1241	1872	2786

Dimensions and weights are nominal; subject to industry tolerances.

* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.

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 or triad is printed alpha-numerically for easy identification

Shield:**Overall shielded pairs/triads**

- Overall shield is Flexfoil® aluminum/polymer in contact with stranded tinned copper drain wire

Jacket:

- Lead-free, flame-retardant, thermoplastic Chlorinated Polyethylene (CPE)

Applications:

- In free air, cable tray, raceways or direct burial
- In wet or dry locations
- Permitted for use in Class I, Division 2 industrial hazardous locations per NEC
- Permitted for Exposed Run (ER) use in accordance with NEC for 3 or more conductors

Features:

- Rated at 90°C wet or dry
- Ripcord applied to all cables with jacket of 60 mils or less
- Meets cold bend test at -40°C
- Type ER versions meets crush and impact requirements of Type MC cables.
- Sunlight- and weather-resistant
- Excellent flame resistance—burns to ash when exposed to flame
- Excellent physical, thermal and electrical properties
- Excellent moisture resistance
- Excellent resistance to abrasion and heat deformation
- Provides good oil and chemical resistance
- Excellent low temperature cold bend characteristics

Compliances:**Industry Compliances:**

- UL 1277 Type TC, UL File # E57179
- UL 1581
- ICEA S-73-532/NEMA WC57
- RoHS Compliant

Flame Test Compliances:

- UL 1581/UL 2556 VW-1
- UL 1685 Vertical Flame Test
- IEEE 383
- IEEE 1202
- CSA FT4

Other Compliances:

- EPA 40 CFR, Part 261 for leachable lead content per TCLP
- OSHA Acceptable

Packaging:

- Material cut to length and shipped on non-returnable wood reels

RoHS Compliant
Directive EU 2015 / 863