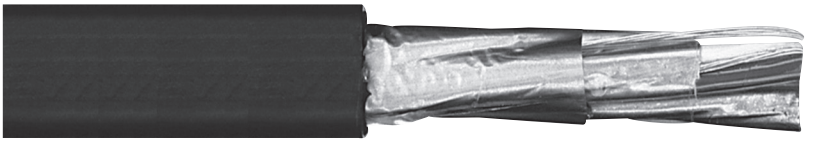
FREP®

FR-EPR/CPE, Instrumentation, Shielded 600 V
UL Type TC, Individual and Overall Shielded Triads



CATALOG NUMBER	NO. OF 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
INDIVIDUAL AND OVERALL SHIELDED TRIADS 18 AWG CONDUCTORS													
337150*	2 TRI	18	7W	0.030	0.76	0.060	1.52	0.600	15.24	38	57	140	208
319250*	4 TRI	18	7W	0.030	0.76	0.060	1.52	0.690	17.53	73	109	221	329
319260*	8 TRI	18	7W	0.030	0.76	0.080	2.03	0.895	22.73	144	214	377	561
337160*	12 TRI	18	7W	0.030	0.76	0.080	2.03	1.150	29.20	218	324	581	864
294540*	16 TRI	18	7W	0.030	0.76	0.080	2.03	1.280	32.51	290	431	743	1105
337170*	20 TRI	18	7W	0.030	0.76	0.080	2.03	1.420	36.07	361	538	908	1350
337180*	24 TRI	18	7W	0.030	0.76	0.080	2.03	1.625	41.28	433	645	1069	1591
337190*	36 TRI	18	7W	0.030	0.76	0.110	2.79	1.885	47.88	649	965	1617	2406
INDIVIDUAL AND OVERALL SHIELDED TRIADS 16 AWG CONDUCTORS													
280950*	2 TRI	16	7W	0.030	0.76	0.060	1.52	0.660	16.76	57	84	175	260
280960*	4 TRI	16	7W	0.030	0.76	0.060	1.52	0.745	18.92	116	173	274	408
280970*	8 TRI	16	7W	0.030	0.76	0.080	2.03	1.015	25.78	224	333	540	804
287410*	12 TRI	16	7W	0.030	0.76	0.080	2.03	1.245	31.62	328	487	751	1118
337200*	16 TRI	16	7W	0.030	0.76	0.080	2.03	1.390	35.31	436	649	967	1439
337210*	20 TRI	16	7W	0.030	0.76	0.080	2.03	1.490	37.85	545	811	1164	1732
337220*	24 TRI	16	7W	0.030	0.76	0.110	2.79	1.740	44.20	653	972	1393	2072
337230*	36 TRI	16	7W	0.030	0.76	0.110	2.79	2.065	52.45	979	1457	2110	3139

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: Triads - black, white and red. One conductor in each triad is printed alpha-numerically for easy identification

Shield:
Individual and overall shielded triads
- Individual triads are 100% shielded with Flexfoil® aluminum/polyester in contact with stranded tinned copper drain wire
- 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