FREP®

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

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 alpha-numerically for easy identification

Shield:
Individual and overall shielded pairs
- Individual pairs are 100% individually 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

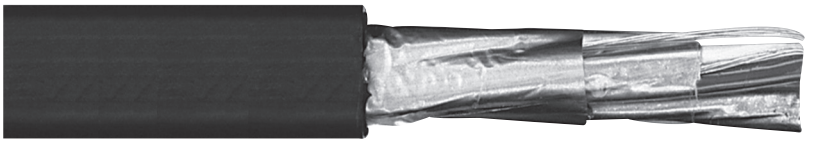
Compliances:

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



CATALOG NUMBER	NO. OF PAIRS	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 PAIRS 18 AWG CONDUCTORS													
279700	2	18	7W	0.030	0.76	0.045	1.14	0.505	12.83	30	45	108	161
279710	4	18	7W	0.030	0.76	0.060	1.52	0.620	15.75	55	82	172	257
279720*	8	18	7W	0.030	0.76	0.060	1.52	0.810	20.57	103	153	285	424
279730*	12	18	7W	0.030	0.76	0.080	2.03	1.015	25.78	155	231	450	670
279740*	16	18	7W	0.030	0.76	0.080	2.03	1.135	28.82	206	307	552	822
319270*	20	18	7W	0.030	0.76	0.080	2.03	1.280	32.51	254	378	685	1020
279750*	24	18	7W	0.030	0.76	0.080	2.03	1.330	33.78	311	463	780	1160
337240*	36	18	7W	0.030	0.76	0.080	2.03	1.600	40.64	461	687	1109	1650
337250*	50	18	7W	0.030	0.76	0.110	2.79	1.930	49.02	640	952	1599	2380
INDIVIDUAL AND OVERALL SHIELDED PAIRS 16 AWG CONDUCTORS													
280500	2	16	7W	0.030	0.76	0.060	1.52	0.580	14.73	45	68	148	220
280520	4	16	7W	0.030	0.76	0.060	1.52	0.675	17.15	83	123	208	309
280530	6	16	7W	0.030	0.76	0.060	1.52	0.805	20.45	120	179	297	442
280540	8	16	7W	0.030	0.76	0.080	2.03	0.920	23.37	157	234	411	611
279760	12	16	7W	0.030	0.76	0.080	2.03	1.065	27.05	232	345	553	822
280990*	16	16	7W	0.030	0.76	0.080	2.03	1.270	32.25	305	453	707	1052
337260*	20	16	7W	0.030	0.76	0.080	2.03	1.415	35.94	380	566	855	1272
279770*	24	16	7W	0.030	0.76	0.080	2.03	1.600	40.64	455	677	1025	1525
288260*	36	16	7W	0.030	0.76	0.110	2.79	1.890	48.01	683	1016	1551	2308
288250*	50	16	7W	0.030	0.76	0.110	2.79	2.190	55.63	946	1408	2071	3082

Dimensions and weights are nominal; subject to industry tolerances.
* Non-stock item; minimum runs apply. Please consult Customer Service for price and delivery.