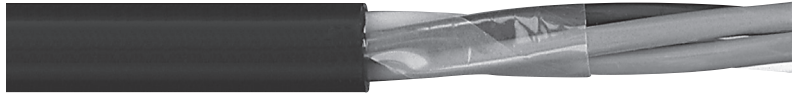


FREP®FR-EPR/CPE, Control, Unshielded 600 V or 1000 V
UL Type TC-ER¹—E-2 Color Code

CATALOG NUMBER	NO. OF COND.	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

14 AWG CONDUCTORS

279560	2 Flat	14	7W	0.030	0.76	0.045	1.14	.360 x .225	9.17 x 5.72	25	38	58	86
305320*	2	14	7W	0.030	0.76	0.045	1.14	0.370	9.40	26	39	71	106
280180	3	14	7W	0.030	0.76	0.045	1.14	0.380	9.65	39	58	84	125
280190	4	14	7W	0.030	0.76	0.045	1.14	0.415	10.54	52	77	106	157
279870	5	14	7W	0.030	0.76	0.045	1.14	0.455	11.56	65	96	129	192
280200	7	14	7W	0.030	0.76	0.045	1.14	0.500	12.70	91	135	170	253
280210	9	14	7W	0.030	0.76	0.060	1.52	0.610	15.49	116	173	238	354
279880	12	14	7W	0.030	0.76	0.060	1.52	0.685	17.40	155	231	295	439
279580	19	14	7W	0.030	0.76	0.060	1.52	0.795	20.19	246	366	437	650
279590	25	14	7W	0.030	0.76	0.080	2.03	0.975	24.77	323	481	606	901
347080*	30	14	7W	0.030	0.76	0.080	2.03	1.030	26.16	387	576	747	1112
279600	37	14	7W	0.030	0.76	0.080	2.03	1.105	28.07	479	712	843	1254

12 AWG CONDUCTORS

279840	2 Flat	12	7W	0.030	0.76	0.045	1.14	.395 x .245	10.03 x 6.22	40	60	77	114
307690*	2	12	7W	0.030	0.76	0.045	1.14	0.410	10.41	41	61	94	140
280170	3+ Grnd ²	12	7W	0.030	0.76	0.045	1.14	0.430	10.92	82	122	133	198
280300	3	12	7W	0.030	0.76	0.045	1.14	0.420	10.67	62	92	113	168
280310	4	12	7W	0.030	0.76	0.045	1.14	0.460	11.68	82	122	143	212
280320	5	12	7W	0.030	0.76	0.045	1.14	0.500	12.70	103	153	175	260
279890	7	12	7W	0.030	0.76	0.060	1.52	0.580	14.73	144	214	247	367
280330	9	12	7W	0.030	0.76	0.060	1.52	0.680	17.27	185	275	323	480
280340	12	12	7W	0.030	0.76	0.060	1.52	0.760	19.30	247	367	405	602
279610	19	12	7W	0.030	0.76	0.080	2.03	0.930	23.62	391	581	643	957
295400*	25	12	7W	0.030	0.76	0.080	2.03	1.095	27.81	514	765	838	1247
347100*	30	12	7W	0.030	0.76	0.080	2.03	1.150	29.21	618	920	1002	1491
301870	37	12	7W	0.030	0.76	0.080	2.03	1.240	31.50	762	1134	1240	1845

10 AWG CONDUCTORS

279570	2 Flat	10	7W	0.030	0.76	0.045	1.14	.445 x .270	11.30 x 6.86	64	95	106	158
305340*	2	10	7W	0.030	0.76	0.045	1.14	0.455	11.56	65	97	128	190
279680	3+ Grnd ²	10	7W	0.030	0.76	0.045	1.14	0.490	12.45	131	195	193	287
280410	3	10	7W	0.030	0.76	0.045	1.14	0.470	11.94	98	146	157	234
279900	4	10	7W	0.030	0.76	0.045	1.14	0.515	13.08	131	195	201	299
279620	5	10	7W	0.030	0.76	0.060	1.52	0.605	15.37	164	243	268	399
279630	7	10	7W	0.030	0.76	0.060	1.52	0.655	16.64	229	341	352	524
279640	9	10	7W	0.030	0.76	0.060	1.52	0.760	19.30	295	439	464	690
279650	12	10	7W	0.030	0.76	0.080	2.03	0.895	22.73	392	584	607	903

Dimensions and weights are nominal; subject to industry tolerances.

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

¹ Approved as TYPE TC-ER for Exposed Run applications of 3 or more conductors as defined by NEC.² Uninsulated tinned copper ground supplied where noted.**Product Construction:****Conductor:**

- 14 AWG thru 10 AWG fully annealed stranded tinned 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, Table E-2 (does not include white or green)

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 44 Type XHHW-2
- UL 1277 Type TC-ER for 3 or more conductors, UL File # E57179
- UL 1581
- ICEA S-73-532/NEMA WC57

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
- RoHS Compliant

Packaging:

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

