

CONTROL CABLE

FR-EPR/CPE - UNSHIELDED 600 VOLT, UL TYPE TC-ER¹

Construction

Conductor:

- 14 Thru 10 AWG fully annealed stranded tinned copper per ASTM B33.
- Class B stranding per ASTM 88.

Insulation:

- Flame-retarded Ethylene Propylene Rubber (FR-EPR) Type II.
- Color-coded: per ICEA Method 1; Table E-2 (Does not include white or green).**

Jacket:

- Flame-retardant thermoplastic Chlorinated Polyethylene (CPE).

Print:

- FREP XX/C XXAWG EPR/CPE (UL) TYPE TC-ER¹ XHHW-2 CDRS 90° WET OR DRY 600V DIR BUR SUN RES DAY/MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK.

Applications:

- In free air, raceways or direct burial.
- In wet or dry locations
- Permitted for Exposed Run 'ER' use in accordance with NEC for 3 or more conductors.
- Approved for direct burial, Class I, Div. 2 industrial hazardous locations per NEC.

Features:

- Rated 90°C wet or dry.
- Ripcord applied to all cables with jacket thickness of 60 mils or less.
- Excellent physical, thermal, and electric properties.
- Sunlight- and weather-resistant.
- Excellent moisture resistance.
- Excellent resistance to compression cuts and heat deformation.
- Low coefficient of friction for easy pulling.
- Excellent low temperature cold bend characteristics.
- Meets cold bend test at -35°C.
- Meets the crush and impact requirements of Type MC cable for 3 or more conductors.
- Excellent flame resistance - burns to ash; does not exhibit thermoplastic drip.

Compliances:

Industry Compliances:

- UL 44 Type XHHW-2.
- UL 1277 Type TC-ER for 3 or more conductors.
- UL 1581.
- ICEA S-95-658/NEMA WC70.

Flame Tests Compliances:

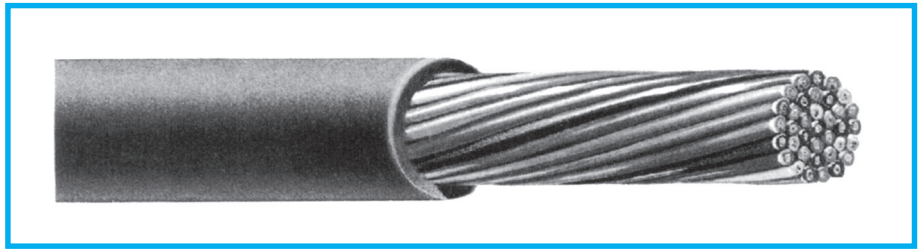
- UL 1581 VW-1.
- UL 1277.
- IEEE 383.
- IEEE 1202.
- CSA FT-4
- ICEA T-29-520.

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.



CUSTOM CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG)	COND. STRAND	MIN. AVG. INSULATION THICKNESS	MIN. AVG. JACKET THICKNESS	NOMINAL CABLE O.D.	NET WEIGHT
				INCHES	INCHES	INCHES	LBS/1000ft.
99701	2 (Flat)	14	7/.0242	0.030	0.045	.365x.230	61
99702	3	14	7/.0242	0.030	0.045	.390	92
99703	4	14	7/.0242	0.030	0.045	.425	115
99704	5	14	7/.0242	0.030	0.045	.465	139
99705	7	14	7/.0242	0.030	0.045	.505	173
99706	9	14	7/.0242	0.030	0.060	.620	240
99707	12	14	7/.0242	0.030	0.060	.700	301
99708*	19	14	7/.0242	0.030	0.060	.815	468
99710	25	14	7/.0242	0.030	0.080	.935	624
99711*	30	14	7/.0242	0.030	0.080	1.030	747
99720	37	14	7/.0242	0.030	0.080	1.110	875
99730	2 (Flat)	12	7/.0305	0.030	0.045	.400x.245	82
99732	3+ (Grnd)	12	7/.0305	0.030	0.045	.410	148
99733	3	12	7/.0305	0.030	0.045	.435	124
99734	4	12	7/.0305	0.030	0.045	.475	157
99735	5	12	7/.0305	0.030	0.045	.520	191
99737	7	12	7/.0305	0.030	0.060	.595	268
99739	9	12	7/.0305	0.030	0.060	.695	337
99740	12	12	7/.0305	0.030	0.060	.765	428
99742*	19	12	7/.0305	0.030	0.080	.940	688
99744*	25	12	7/.0305	0.030	0.080	1.095	854
99746*	30	12	7/.0305	0.030	0.080	1.150	1002
99750*	37	12	7/.0305	0.030	0.080	1.240	1240
99760	2 (Flat)	10	7/.0385	0.030	0.045	.445x.270	113
99761	3+ (Grnd)	10	7/.0385	0.030	0.045	.485	225
99762	3	10	7/.0385	0.030	0.045	.485	172
99763	4	10	7/.0385	0.030	0.060	.560	234
99764	5	10	7/.0385	0.030	0.060	.615	284
99766	7	10	7/.0385	0.030	0.060	.670	381
99768	9	10	7/.0385	0.030	0.060	.760	464
99770	12	10	7/.0385	0.030	0.080	.905	651

Note: Dimensions and weights are nominal; subject to industry tolerances.

* Non-stick item, minimum run apply. Please consult Sales for price and delivery.

¹ Approved as TYPE TC-ER for Exposed Run applications of 3 or more conductors as defined by NEC.

**Also available on special run in E-1 color code and shielded versions. Consult factory for details.



Custom Cable Corp.