

CCTC™

XLPE/CPE, Control, Shielded

600 V, UL Type TC-ER¹, Overall Shielded—E-2 Color Code

Product Construction:

Conductor:

- 14 AWG thru 10 AWG fully annealed stranded bare copper per ASTM B3
- Class B stranding per ASTM B8

Insulation:

- Flame-Retardant Cross-linked Polyethylene (XLPE)
- Color-coded per ICEA Method 1, Table E-2 (does not include white or green)

Shield:

- Overall shielded multi-conductor cable
- 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, raceway and 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, Division 2 industrial hazardous locations per NEC

Features:

- Rated at 90°C wet or dry
- Ripcord applied to all cables with jacket thickness of 60 mils or less
- Excellent physical, thermal and electrical properties
- Sunlight- and weather-resistant
- Excellent moisture resistance
- Excellent resistance to compression cuts and heat deformation
- Low coefficient of friction for easy pulling
- Excellent flame resistance—burns to ash; does not exhibit thermoplastic drip
- Excellent low temperature cold bend characteristics
- Meets cold bend test at -40°C
- Meets the crush and impact requirements of Type MC cable for 3 conductors or more

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 1685 Vertical Flame Test
- 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



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	
				INCHES	mm	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km

OVERALL SHIELD 14 AWG CONDUCTORS

4430.1402S1*	2	14	7W	0.030	0.76	0.045	1.14	0.365	9.27	28	41	70	104
4430.1403S1*	3	14	7W	0.030	0.76	0.045	1.14	0.390	9.91	40	60	87	129
4430.1404S1*	4	14	7W	0.030	0.76	0.045	1.14	0.425	10.80	53	78	109	162
4430.1405S1*	5	14	7W	0.030	0.76	0.045	1.14	0.465	11.81	65	97	135	200
4430.1407S1*	7	14	7W	0.030	0.76	0.045	1.14	0.505	12.83	90	134	174	258
4430.1409S1*	9	14	7W	0.030	0.76	0.060	1.52	0.615	15.62	115	171	237	352
4430.1412S1*	12	14	7W	0.030	0.76	0.060	1.52	0.690	17.53	153	228	299	445
4430.1419S1*	19	14	7W	0.030	0.76	0.060	1.52	0.800	20.32	241	359	440	655
4430.1425S1*	25	14	7W	0.030	0.76	0.080	2.03	0.980	24.89	318	473	604	899
4430.1430S1*	30	14	7W	0.030	0.76	0.080	2.03	1.035	26.29	381	567	705	1049
4430.1437S1*	37	14	7W	0.030	0.76	0.080	2.03	1.110	28.19	469	698	844	1256

OVERALL SHIELD 12 AWG CONDUCTORS

4430.1202S1*	2	12	7W	0.030	0.76	0.045	1.14	0.405	10.29	42	63	95	142
4430.1203S1*	3	12	7W	0.030	0.76	0.045	1.14	0.430	10.92	62	92	122	181
4430.1204S1*	4	12	7W	0.030	0.76	0.045	1.14	0.470	11.94	83	123	154	229
4430.1205S1*	5	12	7W	0.030	0.76	0.045	1.14	0.510	12.95	102	152	187	279
4430.1207S1*	7	12	7W	0.030	0.76	0.060	1.52	0.590	14.99	141	210	260	387
4430.1209S1*	9	12	7W	0.030	0.76	0.060	1.52	0.680	17.27	183	272	331	492
4430.1212S1*	12	12	7W	0.030	0.76	0.060	1.52	0.760	19.30	243	361	420	625
4430.1219S1*	19	12	7W	0.030	0.76	0.080	2.03	0.935	23.75	382	569	668	995
4430.1225S1*	25	12	7W	0.030	0.76	0.080	2.03	1.085	27.56	503	749	859	1279
4430.1230S1*	30	12	7W	0.030	0.76	0.080	2.03	1.150	29.21	604	898	1010	1502
4430.1237S1*	37	12	7W	0.030	0.76	0.080	2.03	1.235	31.37	740	1101	1212	1803

OVERALL SHIELD 10 AWG CONDUCTORS

4430.1002S1*	2	10	7W	0.030	0.76	0.045	1.14	0.455	11.56	67	99	128	191
4430.1003S1*	3	10	7W	0.030	0.76	0.045	1.14	0.480	12.19	99	147	165	246
4430.1004S1*	4	10	7W	0.030	0.76	0.060	1.52	0.560	14.22	131	196	227	338
4430.1005S1*	5	10	7W	0.030	0.76	0.060	1.52	0.610	15.49	164	244	273	406
4430.1007S1*	7	10	7W	0.030	0.76	0.060	1.52	0.660	16.76	228	340	358	533
4430.1009S1*	9	10	7W	0.030	0.76	0.060	1.52	0.770	19.56	293	436	456	679
4430.1012S1*	12	10	7W	0.030	0.76	0.080	2.03	0.905	22.99	390	581	620	923

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.