GenFree®

XLPE/LSZH, Control 600 V
UL Type TC-LS-ER[1]—E-2 Color Code

Product Construction:

Conductor:
- 14 AWG thru 10 AWG stranded tinned copper per ASTM B33
- Class B stranding per ASTM B8

Insulation:
- Lead-free, flame-retardant, low-smoke Cross-linked Polyethylene (XLPE)
- Color-coded per ICEA Method 1, Table E-2 (does not include white or green)

Jacket:
- Lead-free, flame-retardant, sunlight-resistant, Low-Smoke, Zero-Halogen Polyolefin (LSZH)

Applications:
- In free air, raceways, aerial 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 the 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 -30˚C
- Type ER versions meets crush and impact requirements of Type MC cables.
- Sunlight- and weather-resistant
- Excellent flame resistance
- Good physical, thermal and electrical properties
- Excellent moisture resistance
- Good resistance to abrasion and heat deformation
- Provides good oil and chemical resistance
- Low-Smoke, Zero-Halogen jacket reduces the amount of toxic and corrosive gases emitted during combustion, providing a safer environment for personnel and equipment during the hazards of fire
- Low-Smoke, Zero-Halogen jacket is environmentally safe

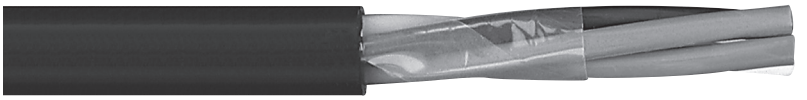
Compliances:

Industry Compliances:
- UL 44 Type XHHW-2
- UL 1277 Type TC-LS-ER, UL File # E57179
- UL 1581
- ICEA S-73-532/NEMA WC57
- ICEA T-33-655

Flame Test Compliances:
- UL 1581/UL 2556
- UL 1685 Vertical Flame Test
- IEEE 1202

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	
				IN	mm	IN	mm	IN	mm	LBS/ 1000 FT	kg/km	LBS/ 1000 FT	kg/km
14 AWG CONDUCTORS													
394280	2 Flat	14	7W	0.030	0.76	0.045	1.14	.365 x .230	9.30 x 5.80	26	38	61	91
394290*	2	14	7W	0.030	0.76	0.045	1.14	0.370	9.40	26	39	71	106
394300	3	14	7W	0.030	0.76	0.045	1.14	0.385	9.78	39	58	87	129
394310*	4	14	7W	0.030	0.76	0.045	1.14	0.420	10.67	52	77	107	159
394320	5	14	7W	0.030	0.76	0.045	1.14	0.460	11.68	65	96	130	194
394330	7	14	7W	0.030	0.76	0.045	1.14	0.500	12.70	91	135	167	248
394340*	9	14	7W	0.030	0.76	0.060	1.52	0.610	15.49	116	173	236	351
394350*	12	14	7W	0.030	0.76	0.060	1.52	0.685	17.40	155	231	290	432
394360*	19	14	7W	0.030	0.76	0.060	1.52	0.795	20.19	246	366	425	632
394370*	25	14	7W	0.030	0.76	0.080	2.03	0.935	23.75	323	481	624	929
394380*	30	14	7W	0.030	0.76	0.080	2.03	1.030	26.16	388	577	747	1112
394390*	37	14	7W	0.030	0.76	0.080	2.03	1.105	28.07	479	712	818	1216
12 AWG CONDUCTORS													
394400*	2 Flat	12	7W	0.030	0.76	0.045	1.14	.400 x .245	10.20 x 6.20	40	60	82	122
394410*	2	12	7W	0.030	0.76	0.045	1.14	0.410	10.41	41	61	94	140
394420[2]	3+ Grnd	12	7W	0.030	0.76	0.045	1.14	0.435	11.05	85	127	148	220
394430	3	12	7W	0.030	0.76	0.045	1.14	0.425	10.80	62	92	115	171
394440*	4	12	7W	0.030	0.76	0.045	1.14	0.475	12.07	85	127	157	234
394450*	5	12	7W	0.030	0.76	0.045	1.14	0.520	13.21	106	158	191	284
394460*	7	12	7W	0.030	0.76	0.060	1.52	0.595	15.11	149	221	268	399
394470*	9	12	7W	0.030	0.76	0.060	1.52	0.695	17.65	191	285	337	502
394480*	12	12	7W	0.030	0.76	0.060	1.52	0.760	19.30	247	367	398	591
394490*	19	12	7W	0.030	0.76	0.080	2.03	0.940	23.88	391	582	688	1024
394500*	25	12	7W	0.030	0.76	0.080	2.03	1.095	27.81	515	767	854	1271
394510*	30	12	7W	0.030	0.76	0.080	2.03	1.150	29.21	618	920	1002	1491
394520*	37	12	7W	0.030	0.76	0.080	2.03	1.240	31.50	762	1134	1240	1845
10 AWG CONDUCTORS													
394530*	2 Flat	10	7W	0.030	0.76	0.045	1.14	.445 x .270	11.30 x 6.90	64	95	113	168
394540*	2	10	7W	0.030	0.76	0.045	1.14	0.455	11.56	65	97	128	190
394550[2]	3+ Grnd	10	7W	0.030	0.76	0.045	1.14	0.495	12.57	131	195	195	291
394560	3	10	7W	0.030	0.76	0.045	1.14	0.475	12.07	98	146	164	244
394570	4	10	7W	0.030	0.76	0.060	1.52	0.560	14.22	134	199	234	348
394580*	5	10	7W	0.030	0.76	0.060	1.52	0.605	15.37	164	243	268	398
394590*	7	10	7W	0.030	0.76	0.060	1.52	0.655	16.64	229	341	349	519
394600*	9	10	7W	0.030	0.76	0.060	1.52	0.760	19.30	294	440	464	691
394610*	12	10	7W	0.030	0.76	0.080	2.03	0.905	22.99	392	598	651	696

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 -ER for Exposed Run applications of 3 or more conductors as defined by the NEC.
[2] This construction does not require an -ER mark.