

# GenFree®

XLPE/LSZH, Control, Shielded

600 V, UL Type TC-LS-ER<sup>1</sup>, Overall Shielded—E-2 Color Code



### Product Construction:

#### Conductor:

- 16 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)

#### 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, sunlight-resistant, Low-Smoke, Zero-Halogen Polyolefin (LSZH)

### Applications:

- In free air, raceway, aerial and 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 thickness of 60 mils or less
- Excellent physical and electrical properties
- Excellent moisture resistance
- Excellent resistance to compression and impact
- Chemical-resistant
- Low coefficient of friction for easy pulling
- Sunlight- and weather-resistant
- Meets cold bend test at -30°C
- Low-Smoke, Zero-Halogen jacket is environmentally safe
- 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
- Meets the crush and impact requirements of Type MC cable for 3 or more conductors

### Compliances:

#### Industry Compliances:

- UL 44 Type XHHW-2
- UL 1277 Type TC-LS-ER, UL File # E57179
- UL 1581/UL 2556
- 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	
				INCHES	mm	INCHES	mm	INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km

### OVERALL SHIELD 16 AWG CONDUCTORS

394960*	2	16	7W	0.025	0.64	0.045	1.14	0.320	8.13	19	28	52	77
394630*	3	16	7W	0.025	0.64	0.045	1.14	0.335	8.51	27	40	66	98

### OVERALL SHIELD 14 AWG CONDUCTORS

394640*	2	14	7W	0.030	0.76	0.045	1.14	0.375	9.53	29	43	74	110
394650*	3	14	7W	0.030	0.76	0.045	1.14	0.395	10.03	42	63	95	141
394660*	4	14	7W	0.030	0.76	0.045	1.14	0.430	10.92	55	82	118	176
394670*	5	14	7W	0.030	0.76	0.045	1.14	0.470	11.94	68	101	142	211
394680*	7	14	7W	0.030	0.76	0.045	1.14	0.510	12.95	94	140	176	262
394690*	9	14	7W	0.030	0.76	0.060	1.52	0.625	15.88	121	180	243	362
394700*	12	14	7W	0.030	0.76	0.060	1.52	0.705	17.91	160	238	304	452
394710*	19	14	7W	0.030	0.76	0.060	1.52	0.820	20.83	252	375	471	701
394720*	25	14	7W	0.030	0.76	0.080	2.03	0.940	25.53	325	484	627	933
394730*	30	14	7W	0.030	0.76	0.080	2.03	1.035	26.29	389	579	750	1116
394740*	37	14	7W	0.030	0.76	0.080	2.03	1.115	28.32	468	696	878	1307

### OVERALL SHIELD 12 AWG CONDUCTORS

394750*	2	12	7W	0.030	0.76	0.045	1.14	0.415	10.45	43	64	97	144
394760*	3	12	7W	0.030	0.76	0.045	1.14	0.440	11.18	66	98	127	189
394770*	4	12	7W	0.030	0.76	0.045	1.14	0.480	12.19	87	129	160	238
394780*	5	12	7W	0.030	0.76	0.045	1.14	0.525	13.34	108	162	194	289
394790*	7	12	7W	0.030	0.76	0.060	1.52	0.600	15.24	151	225	271	403
394800*	9	12	7W	0.030	0.76	0.060	1.52	0.700	17.78	193	287	340	506
394810*	12	12	7W	0.030	0.76	0.060	1.52	0.770	19.56	249	371	431	641
394820*	19	12	7W	0.030	0.76	0.080	2.03	0.945	24.00	393	585	691	1028
394830*	25	12	7W	0.030	0.76	0.080	2.03	1.100	27.94	517	769	857	1275
394840*	30	12	7W	0.030	0.76	0.080	2.03	1.155	29.80	620	923	1005	1496
394850*	37	12	7W	0.030	0.76	0.080	2.03	1.245	31.62	764	1137	1243	1850

### OVERALL SHIELD 10 AWG CONDUCTORS

394860*	2	10	7W	0.030	0.76	0.045	1.14	0.460	11.68	68	101	131	195
394870*	3	10	7W	0.030	0.76	0.045	1.14	0.490	12.45	103	155	175	260
394880*	4	10	7W	0.030	0.76	0.060	1.52	0.565	14.35	136	202	237	353
394890*	5	10	7W	0.030	0.76	0.060	1.52	0.620	15.75	170	253	287	427
394900*	7	10	7W	0.030	0.76	0.060	1.52	0.675	17.15	237	353	384	571
394910*	9	10	7W	0.030	0.76	0.060	1.52	0.765	19.43	298	443	467	695
394920*	12	10	7W	0.030	0.76	0.080	2.03	0.910	23.11	404	601	654	973

Dimensions and weights are nominal; subject to industry tolerances.

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

<sup>1</sup> Approved as -ER for Exposed Run applications of 3 or more conductors as defined by the NEC.

