

LOW-SMOKE, ZERO HALOGEN (LSZH), 600 VOLTS, 3 AND 4 CONDUCTOR

XLPO/LSZH, LOW VOLTAGE POWER, UNSHIELDED 600V, UL TYPE TC-LS-ER — METHOD 4 COLOR CODE

Construction

Conductor:

- 14 AWG thru 750 kcmil bare annealed copper per ASTM B3.
- Class B3 stranding per ASTM B8.

Insulation:

- Lead-free, flame-retardant, low-smoke Cross-Linked Polyolefin (XLPO).
- Color-coded per ICEA Method 4; individual conductors colored black with conductor number surface printed in contrasting ink.

Ground:

- Uninsulated bare annealed copper per ASTM B3.
- Class B stranding per ASTM B8.

Jacket:

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

Print:

- AWG XLPO/LSZH (UL) TYPE TC-LS-ER XHHW-2 CDRS 90°C WET OR DRY 600V DIR BUR SUN RES ROHS DAY/MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK.

Options:

- Class C stranding.
- Tinned copper conductor.
- E-1 or E-2 Color Code (specify).
- Insulated ground conductors.
- Overall shielded multi conductors.
- Other constructions available upon request.

Applications:

- In free air, raceways, aerial or direct burial.
- In wet or dry locations.
- Permitted for use in Class 1, Division 2 Industrial hazardous locations per NEC.
- Permitted for Exposed Run (ER) use in accordance with the 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.
- Excellent moisture resistance.
- Excellent resistance to crush, 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.

Compliances:

Industry Compliances:

- UL 44 Type XHHW-2.
- UL 1277 Type TC-LS-ER, UL File #57179.
- UL 1581.
- ROHS Compliant.

Flame Test Compliances:

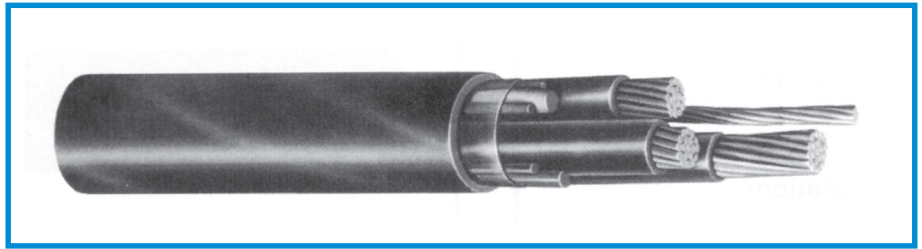
- UL 1581.
- UL 1277.
- UL 1685.
- IEEE 1202.

Other Compliances:

- EPA 40 CFR, Part 261 for leachable lead content per TCLP.
- OSHA Acceptable.

Packaging:

- Material out to length and shipped on non-returnable wood reels.



CUSTOM CATALOG NUMBER	NO. OF COND'RS	SIZE	GROUND WIRE SIZE (AWG)	MIN. AVG. INSULATION THICKNESS (INCHES)	MIN. AVG. JACKET THICKNESS (INCHES)	NOMINAL CABLE O.D. (INCHES)	COPPER WEIGHT LBS./ 1000 FT.	NET WEIGHT LBS./ 1000 FT.
		AWG/MCM						
14 AWG — 750 kcmil MULTI CONDUCTORS								
18340*	3	14	14	0.030	0.045	0.430	55	118
18341*	3	12	12	0.030	0.045	0.480	87	160
18342*	3	10	10	0.030	0.045	0.480	124	194
18350	3	8	10	0.045	0.060	0.655	190	314
18351*	4	8	10	0.045	0.060	0.720	242	393
18352	3	6	8	0.045	0.060	0.740	297	456
18353*	4	6	8	0.045	0.060	0.790	384	561
18354	3	4	8	0.045	0.080	0.880	442	642
18355*	4	4	8	0.045	0.080	0.950	578	822
18356	3	2	6	0.045	0.080	1.010	703	979
18357*	4	2	6	0.045	0.080	1.090	919	1235
18358*	3	1	6	0.055	0.080	1.120	872	1021
18359*	4	1	6	0.055	0.080	1.235	1136	1521
18360	3	1/0	6	0.055	0.080	1.225	1069	1439
18361*	4	2/0	6	0.055	0.080	1.330	1413	1820
18362	3	2/0	6	0.055	0.080	1.300	1340	1720
18363*	4	2/0	6	0.055	0.080	1.440	1760	2208
18364*	3	3/0	4	0.055	0.080	1.420	1717	2176
18365*	4	3/0	4	0.055	0.080	1.570	2245	2788
18366	3	4/0	4	0.055	0.080	1.540	2130	2614
18367*	4	4/0	4	0.055	0.110	1.790	2796	3495
18368*	3	250	4	0.065	0.110	1.760	2494	3184
18369*	4	250	4	0.065	0.110	1.915	3282	4019
18370	3	350	3	0.065	0.110	1.960	3474	4187
18371*	4	350	3	0.065	0.110	2.165	4577	5436
18372	3	500	2	0.065	0.110	2.245	4934	5847
18373*	4	500	2	0.065	0.110	2.475	6509	7607
18374*	3	750	1	0.080	0.140	2.810	7278	9145
18375*	4	750	1	0.080	0.140	3.115	9712	11805

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



Custom Cable Corp.