

LOW SMOKE, ZERO HALOGEN (LSZH) 600 VOLTS

XLPO, LOW-SMOKE, ZERO-HALOGEN (LSZH), LOW-VOLTAGE POWER, UNSHIELDED 600V, TYPE RHH/RHW-LS/USE, CSA AWM I A/B, CLASS B

B

Construction

Conductor:

- 14 AWG thru 750 kcmil tinned coated compressed copper per ASTM B3 and B33. Class B stranding per ASTM 88.

Composite Insulation/Jacket:

- Flame-retardant, oil-resistant, limited smoke, Cross-Linked Polyolefin (XLPO), Black.

Print:

- (UL) TYPE USE OR RHH OR RHW-LS VW-1 (SIZE) 600V OIL RES. I SUN RES. FOR CT USE*/ CSA AWM I A/B 105°C 600V FT4 MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK. **Sizes smaller than 1/0 AWG do not include "FOR CT USE".*

Options:

- Available in Blue, Green, Red and Gray.

Applications:

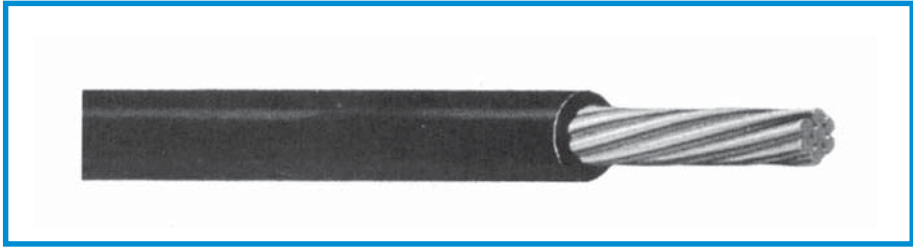
- General purpose 600V Power Cable Applications.
- For use in conduit, open tray, underground duct and aerial installations when properly supported and installed.
- RHH/RHW ratings for installation in conduit or raceway.
- USE rating for Direct Burial Applications.
- CT-rated for installation in Cable Tray - 1/0 AWG and larger.
- For use in all closed environments or populated spaces such as auditoriums, arenas and health facilities where more stringent specifications for smoke and toxicity emission levels are desired.
- Ideally suited for use in a broad range of commercial and industrial applications where reliability is the major concern, where maximum performance is demanded and where space is limited.

Features:

- UL Type RHH/RHW/USE Rated at 90°C dry, 75°C wet.
- CSA AWM I A/B Rated at 105°C.
- UL AWM styles 3237 and 3578.
- Smooth surface for reduced coefficient of friction for ease of installation.
- Excellent moisture resistance.
- Excellent resistance to salt water.
- Available in colors for ease of phase identification.
- Minimum acid gas emissions under combustion.
- Meets cold bend test at -40°C.
- Meets UL Oil Res. I and II.

Compliances:

- UL 44 Standard for Rubber Insulated Wire.
- UL 758 Standard for Appliance Wiring Material.
- UL 854 Standard for Service Entrance Cable.
- UL 1685 Standard for Vertical Tray Fire Propagation and Smoke Release Test for Electrical and Optical Fiber Cables.
- Telcordia GR347 Core.
- UL Listed VW-1.
- ICEA S-95-658/NEMA WC 70.
- IEEE 1202 (70,000 BTU/hr.).
- IEEE 383 (70,000 BTU/hr.).
- Sizes 1/0 AWG and larger are listed "FOR CT USE".
- CSA FT4.
- CSA Standard C22.2 No. 0.3.
- CSA Standard C22.2 No. 210.2.
- Meets EPA 40 CFR, Part 261 for leachable lead content per TCLP method.
- OSHA acceptable.



CUSTOM CATALOG NUMBER	SIZE (AWG/KCMIL)	NOMINAL CONDUCTOR DIAMETER (INCHES)	MINIMUM AVG. INSULATION THICKNESS (INCHES)	NOMINAL CABLE O.D. (INCHES)	NET WEIGHT LBS./1000 FT.
14 AWG - 750 kcmil CONDUCTORS, CLASS B					
18100	14	0.07	0.045	0.17	18
18101	12	0.09	0.045	0.19	25
18102	10	0.12	0.045	0.22	38
18103	8	0.15	0.060	0.28	58
18104	6	0.18	0.060	0.31	116
18105	4	0.23	0.060	0.36	171
18106	2	0.28	0.060	0.42	257
18107	1	0.32	0.080	0.49	331
18108	1/0	0.36	0.080	0.53	406
18109	2/0	0.41	0.080	0.58	495
18110	3/0	0.46	0.080	0.63	612
18111	4/0	0.51	0.080	0.68	757
18112	250	0.56	0.095	0.76	905
18113	350	0.66	0.095	0.87	1237
18114	500	0.79	0.095	1.00	1728
18115	750	0.97	0.110	1.21	2572

Dimensions and weights are nominal; subject to industry tolerances.

Custom Cable Corp.



LISTED

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