

INSTRUMENTATION CABLE -

600 Volt UL Type TC-LS, 90°C

Single & Multiple Pairs

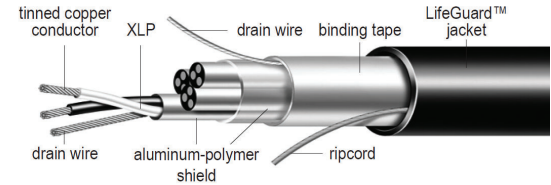
Individual & Overall Shield

XLP Insulation

Low Smoke Zero Halogen Jacket

Tinned Copper Conductors

FM Approved



OmniCable Part #	HWC Part #	Size AWG	Number of Pairs	Insulation Thickness Mils	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft
16-01LSE1	HW120 01601	16	1	30	60	0.33	59
16-02LSE1	HW120 01602	16	2	30	60	0.58	136
16-04LSE1	HW120 01604	16	4	30	60	0.67	216
16-08LSE1	HW120 01608	16	8	30	60	0.90	397
16-12LSE1	HW120 01612	16	12	30	80	1.04	530
16-24LSE1	HW120 01624	16	24	30	80	1.40	960

* All drawings, designs, specifications, plans and particulars of weights, sizes and dimensions contained in the technical or commercial documentation of OmniCable is indicative only and shall not be binding on OmniCable or be treated as constituting a representation on the part of OmniCable.
* Ampacities shown are for general use as specified by the National Electrical Code, Article 310.15

APPLICATION:

LifeGuard™ Low Smoke Zero Halogen* cable is for use in instrumentation and process control applications where superior protection from electrostatic interference is required. LifeGuard™ jacket is highly flame-retardant, produces very small amounts of smoke when burned and contains no halogens. LifeGuard™ cable is ideal for applications where a high degree of safety and equipment protection is required.

LifeGuard™ cable is UL listed as Type TC-LS and approved for installation indoors or outdoors, aerially, in conduits, ducts, cable trays and direct burial in circuits not exceeding 600 volts. It may be installed in temperatures as low as -30°C and used in NEC Class I, Division 2 hazardous locations. It is UL approved for continuous operation at 90°C in wet and dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.

PRODUCT FEATURES:

- Tray rated
- Sunlight-resistant
- Approved for direct burial
- Tinned conductors provide ease of termination and added protection in caustic environments
- Superior electrostatic interference protection from individual and Overall shield
- Very low smoke production when burned
- LifeGuard™ jacket produces zero halogens during fire – less toxic and corrosive
- LifeGuard™ jacket is environmentally safe – lead, sulfur and halogen free
- Highly chemical resistant
- Very flame retardant
- Burns to an ash – does not exhibit thermoplastic drip
- Excellent compression and impact resistance
- Superior tensile strength and abrasion resistance
- Flexible jacket with low coefficient of friction

INSTRUMENTATION CABLE -

600 Volt UL Type TC-LS, 90°C

Single & Multiple Pairs

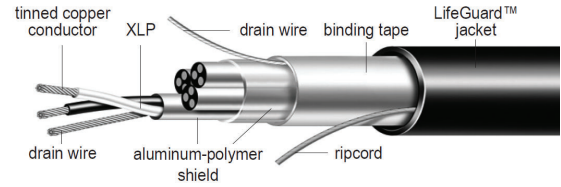
Individual & Overall Shield

XLP Insulation

Low Smoke Zero Halogen Jacket

Tinned Copper Conductors

FM Approved



CONDUCTORS:

7 strand tin coated, soft annealed copper per ASTM B-33, Class B stranding per ASTM B-8

INSULATION:

Cross-linked polyethylene (XLP) per UL Standard 44

INDIVIDUAL SHIELD:

Aluminum-polymer tape providing 100% coverage with a flexible 7 strand tinned copper drain wire

OVERALL SHIELD:

Aluminum-polymer tape providing 100% coverage with a flexible 7 strand tinned copper drain wire

JACKET:

Sunlight-resistant and flame-retardant, Low Smoke Zero Halogen polyolefin per UL Standard 1277. A ripcord is applied longitudinally under the jacket to facilitate stripping

FLAME TESTS:

- UL Standard 1581 (70,000 BTU/hr) Flame Test
- FM Approved — Class 3972 Specification Test Standard — Cable Fire Propagation Group 1

COLOR CODE:

Pairs: black and white with printed numbers on one conductor

ADDITIONAL STANDARDS:

- UL Standard 1685
- NEC Type TC per articles 336, 392, and 501.4 (b) and Class 1 circuits per NEC article 725