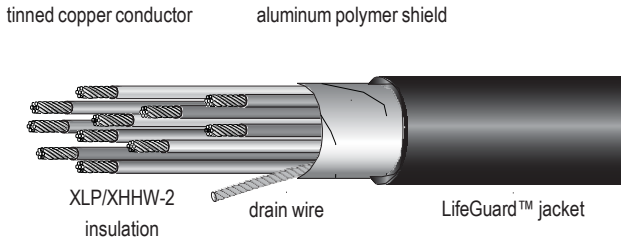


SPECIFICATION
HW171



**TRAY CABLE - SHIELDED
CONTROL CABLE**
600 Volt UL Type TC-LS, 90°C



XLP Insulation
Low Smoke Zero Halogen Jacket
Tinned Copper Conductors
FM Approved

tray cables

Catalog Number	Size AWG	Number of Conductors	Number of Strands	Insulation Thickness Mils	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft
HW171 01802	18	2	7	30	45	0.31	42
HW171 01803	18	3	7	30	45	0.33	53
HW171 01602	16	2	7	30	45	0.33	59
HW171 01603	16	3	7	30	45	0.35	67
HW171 01604	16	4	7	30	45	0.38	92
HW171 01605	16	5	7	30	45	0.42	109
HW171 01607	16	7	7	30	45	0.45	135
HW171 01609	16	9	7	30	45	0.56	188
HW171 01612	16	12	7	30	45	0.62	232
HW171 01615	16	15	7	30	60	0.69	281
HW171 01619	16	19	7	30	60	0.72	322



800.HOU.WIRE
www.houwire.com

2022 Product Catalog. All data subject to change without notice.



TRAY CABLE - SHIELDED CONTROL CABLE

600 Volt UL Type TC-LS, 90°C

XLP Insulation Low Smoke Zero Halogen Jacket Tinned Copper Conductors FM Approved

APPLICATION:

LifeGuard™ Low Smoke Zero Halogen* cable is for use in instrumentation and process control applications where 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.

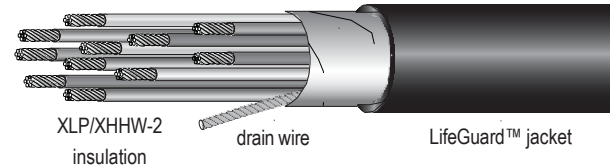
LifeGuard™ cable is UL listed as Type TC-LS and approved for installation indoors or outdoors, aerially, in conduits, ducts, cable trays and direct burial in circuits not exceeding 600 volts. It may be installed in temperatures as low as -30°C and used in NEC Class I and II, Division 2 hazardous locations. 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. Exposed Run (ER) rating available upon request.

PRODUCT FEATURES:

- Tray rated
- Sunlight-resistant
- Approved for direct burial
- Tinned conductors provide ease of termination and added protection in caustic environments
- 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

tinned copper conductor

aluminum polymer shield



XLP/XHHW-2
insulation

drain wire

LifeGuard™ jacket

CONDUCTORS:

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

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:

- FM Approved - Class 3972 Specification Test Standard - Cable Fire Propagation Group 1
- UL Standard 1581 Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Flame Test
- IEEE 1202/UL & CSA FT4 (16AWG and Larger)(70,000 BTU/hr) Flame Test
- UL Standard 1685 (70,000 BTU/hr) Flame Propagation and Smoke Release Test
- Flame Test listings may vary by cable size

COLOR CODE:

ICEA Method 1, Table E-1 or E-2

ADDITIONAL STANDARDS:

NEC Type TC per articles 336, 392, and 501 (Class 1 Div 2, Class 2 Div 2)

* Some cable insulations may contain trace amounts of halogens.

