

**SPECIFICATION**  
**HW171**



**TRAY CABLE - SHIELDED CONTROL CABLE**

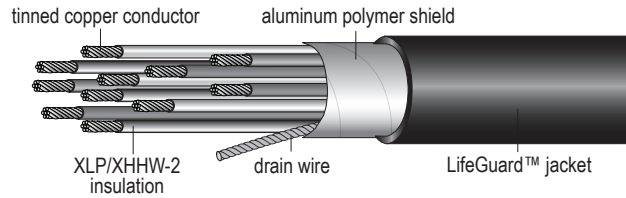
**600 Volt UL Type TC-LS, 90°C**

**XLP Insulation**

**Low Smoke Zero Halogen Jacket**

**Tinned Copper Conductors**

**FM Approved**



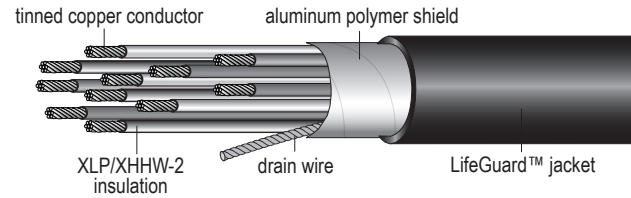
TRAY CABLES

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



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**600 Volt UL Type TC-LS, 90°C  
XLP Insulation  
Low Smoke Zero Halogen Jacket  
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### **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 toverload 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

### **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 (70,000 BTU/hr) Flame Test
- IEEE 383 (70,000 BTU/hr) Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Flame Test
- IEEE 1202/CSA FT4 (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 and E-2

### **ADDITIONAL STANDARDS:**

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

\* Some cable insulations may contain trace amounts of halogens.