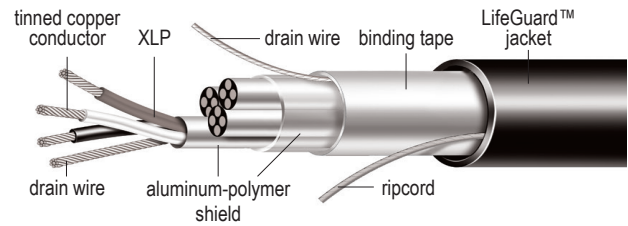


**SPECIFICATION**  
**HW121**



**INSTRUMENTATION CABLE**

**600 Volt UL Type TC-LS, 90°C**  
**Single & Multiple Twisted Triads**  
**Individual & Overall Shield**  
**XLP Insulation**  
**Low Smoke Zero Halogen Jacket**  
**Tinned Copper Conductors**  
**FM Approved**



**INSTRUMENTATION & THERMOCOUPLE**

Catalog Number	Size AWG	Number of Triads	Insulation Thickness Mils	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft
HW121 1601T	16	1	30	60	0.35	67
HW121 01602	16	2	30	60	0.64	170
HW121 01604	16	4	30	60	0.74	268
HW121 01606	16	6	30	60	0.93	422
HW121 01608	16	8	30	60	0.96	500
HW121 01612	16	12	30	60	1.14	705



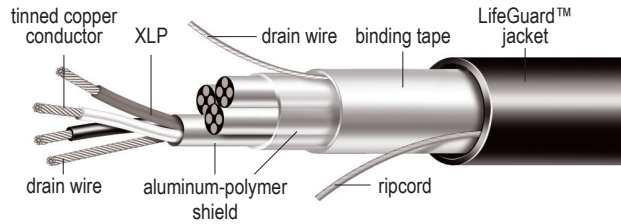
REV. 11/2016 APPROVED

# SPECIFICATION HW121

INSTRUMENTATION & THERMOCOUPLE

## INSTRUMENTATION CABLE

**600 Volt UL Type TC-LS, 90°C  
Single & Multiple Twisted Triads  
Individual & Overall Shield  
XLP Insulation  
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### 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:

Triads: black, white and red 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

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