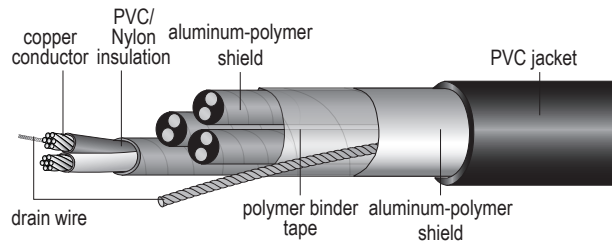


SPECIFICATION
HW107

INSTRUMENTATION CABLE

**600 Volt UL Type TC, 90°C
Multiple Pairs
Individual & Overall Shield
THHN or THWN Insulation & PVC Jacket
Copper Conductors**



Catalog Number	Size AWG	Number of Pairs	Insulation Thickness Mils	Nylon Covering Thickness Mils	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft
HW107 01402	14	2	15	4	45	0.57	156
HW107 01404	14	4	15	4	60	0.73	285
HW107 01408	14	8	15	4	60	0.93	520
HW107 01412	14	12	15	4	80	1.16	788
HW107 01416	14	16	15	4	80		
HW107 01424	14	24	15	4	80	1.58	1445

APPLICATION:

For use in instrumentation and process control applications where superior protection from electrostatic interference is required. UL listed as Type TC and approved for installation indoors or outdoors, aerially, in conduits, ducts, cable trays and direct burial in circuits not exceeding 600 volts. May be used in NEC Class 1, Division 2 hazardous locations. UL approved for NEC continuous operation at 75°C in wet locations, 90°C in dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.

CONDUCTORS:

7-strand soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8

INSULATION:

Flame-retardant PVC per UL Standard 83 for Type THHN or THWN-2 wire

INSULATION JACKET:

Clear nylon per UL Standard 83 for Type THHN or THWN wire

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 PVC per UL Standard 1277. A ripcord is applied longitudinally under the jacket to facilitate stripping

FLAME TESTS:

UL 1581 70,000 BTU/hr Flame Test

COLOR CODE:

- Pairs: black and white with printed numbers on one conductor
- Available upon request: black and red pairs with printed number

ADDITIONAL STANDARDS:

- NEC Type TC for Class I Division 2 areas per Articles 336, 392 and 501, and for Class 1 circuits per NEC Article 725
- NEC Type NPFL for Non Power Limited Fire Protective Signaling circuits per NEC Article 760