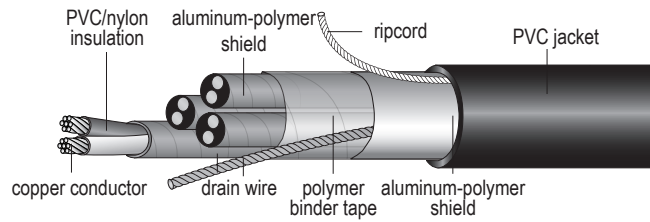


SPECIFICATION
HW105

INSTRUMENTATION CABLE

600 Volt UL Type TC, 90°C
Multiple Pairs
Overall Shield
TFN PVC/Nylon 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
HW105 01802	18	2	15	4	45	0.41	70
HW105 01804	18	4	15	4	45	0.49	118
HW105 01808	18	8	15	4	60	0.65	212
HW105 01812	18	12	15	4	60	0.76	302
HW105 01816	18	16	15	4	80	0.89	374
HW105 01824	18	24	15	4	80	1.03	572
HW105 01836	18	36	15	4	80	1.18	796
HW105 01850	18	50	15	4	80	1.44	1046
HW105 01602	16	2	15	4	45	0.45	89
HW105 01603	16	3	15	4	45	0.52	121
HW105 01604	16	4	15	4	45	0.57	150
HW105 01608	16	8	15	4	60	0.75	283
HW105 01612	16	12	15	4	60	0.88	389
HW105 01616	16	16	15	4	80	1.03	540
HW105 01624	16	24	15	4	80	1.21	742
HW105 01636	16	36	15	4	80	1.40	1038
HW105 01650	16	50	15	4	80	1.61	1436

APPLICATION:

For use in instrumentation and process control applications where 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.

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 62 for Type TFN wire

INSULATION JACKET:

Clear nylon per UL Standard 62 for Type TFN 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 pair 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