MEETS OR EXCEEDS ALL NECESSARY SPECIFICATIONS

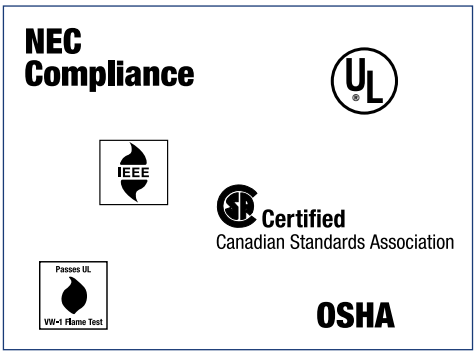
Today, the vital functions of measurement and control in manufacturing and processing operations are largely dependent on electronic circuitry. An improving technology, delivering greater control, accuracy and broadened capability, makes the reliability and durability of the interconnecting cables more significant than ever . . . to you, and to Alpha Wire.

In many respects, instrumentation cables are functionally similar to other cables used in electronic devices. Alpha's line of instrumentation cables are designed for ease of installation, for the transmission of signals and energy with minimal interference and for maximum durability in full compliance with recognized industry and government standards.

Concern for safety and environmental protection has made it mandatory that the cable you design, specify, install, move or service meet specific rigid requirements. These requirements are particularly demanding for instrumentation cable utilized in process control, instrumentation, computers, control systems and monitor networks.

The Alpha line of instrumentation cable is designed to meet or exceed all necessary specifications and enable the cable used in these applications to perform safely under the most stringent and demanding environmental conditions.

- **UL Listed**
- **CSA Certified CMG FT4**
- **NEC** – meets the demanding requirements of the 1999 National Electrical Code (NEC). 300 Volt rated cables meet NEC Article-725 (Power Limited Tray Cable); 600 Volt rated cables meet NEC Article-340 (Tray Cable).
- **UL** – Alpha 300 Volt PLTC and 600 Volt Tray Cables pass the UL Vertical Tray Flame Test.
- **IEEE 383** – 300 Volt PLTC and 600 Volt Tray Cables pass the IEEE Vertical Tray Flame Test.
- **OSHA** – Alpha cables that are UL Listed and installed to meet the 1999 NEC Code are acceptable to OSHA.



Since the measurement of temperature is frequently critical in the control of manufacturing and processing operations, Alpha supplies a full line of Thermocouple Grade Wire and Thermocouple Extension Wire and Cable to complement its instrumentation Cable. Alpha Thermocouple Wire and Cable products are designed to maintain the integrity of the temperature-EMF-generated signals, even when the most sophisticated electronic circuitry is used to sense and transmit temperature measurements. Specific information on design parameters for Thermocouple Wire and Cable is covered in detail in this section on pages 326 - 332.

INSTRUMENTATION CABLE
INDIVIDUALLY AND OVERALL SHIELDED MULTIPAIR/MULTITRIAD

UL TYPE PLTC
CSA CMG FT4
RoHS COMPLIANT
300 VOLT

CHARACTERISTICS

OPERATING TEMPERATURE:
- –20°C to 105°C

VOLTAGE RATING:
- 300 Volt

PRODUCT DESCRIPTION:
- Stranded Bare Copper Conductors
- PVC Insulation:
  Paired Construction Color Coded – One Black, One White
  Triad Construction Color Coded – One Black, One White, One Red
  White Conductor Printed with Pair/Triad Number at One Inch Intervals for Easy Identification
- When Shielded:
  Aluminum/Polyester and Tinned Copper Drain Wire
- PVC Jacket – Black, UV Resistant

SPECIFICATIONS

- UL Type PLTC
- CSA CMG FT4
- Passes UL Vertical Tray Flame Test
- Complies with NEC Article 725, Type PLTC
- RoHS Compliant

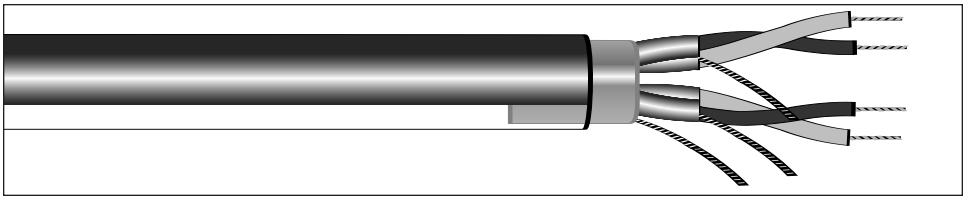
UL LISTED

Certified
Canadian Standards Association

RoHS Compliant

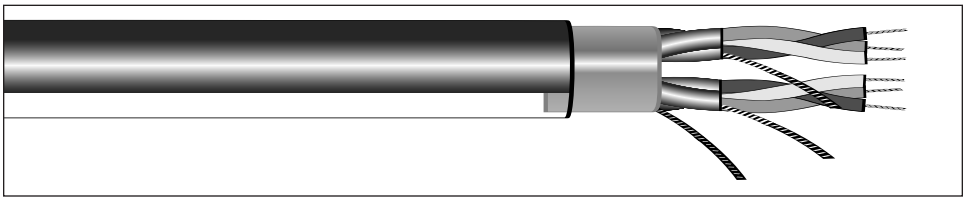
AVAILABILITY

- Bulk, Cut to Length
- ▲ Available in 1000 ft (305m) put-ups



INDIVIDUALLY AND OVERALL SHIELDED PAIRS

Alpha Part No.	No. of Pairs	AWG	No. of Strands	Nom. Insulation Thickness Inches	Nom. Insulation Thickness mm	Nom. Jacket Thickness Inches	Nom. Jacket Thickness mm	Nom. O.D. Inches	Nom. O.D. mm
▲ **5620B2002**	2	20	7	0.013	0,33	0.040	1,02	0.36	9,2
▲ **5620B2004**	4	20	7	0.013	0,33	0.050	1,27	0.40	10,2
▲ **5620B2008**	8	20	7	0.013	0,33	0.050	1,27	0.51	13,0
▲ **5620B2012**	12	20	7	0.013	0,33	0.060	1,52	0.61	15,5
5620B2016	16	20	7	0.013	0,33	0.060	1,52	0.68	17,3
5620B2020	20	20	7	0.013	0,33	0.060	1,52	0.74	18,8
5620B2024	24	20	7	0.013	0,33	0.070	1,79	0.82	20,8
5620B1802	2	18	7	0.016	0,41	0.050	1,27	0.37	9,4
▲ **5620B1804**	4	18	7	0.016	0,41	0.050	1,27	0.46	11,7
5620B1808	8	18	7	0.016	0,41	0.060	1,52	0.62	15,7
▲ **5620B1812**	12	18	7	0.016	0,41	0.060	1,52	0.73	18,5
5620B1820	20	18	7	0.016	0,41	0.070	1,79	0.91	23,1
5620B1836	36	18	7	0.016	0,41	0.080	2,03	1.18	30,0
▲ **5620B1602**	2	16	7	0.016	0,41	0.050	1,02	0.40	10,2
▲ **5620B1604**	4	16	7	0.016	0,41	0.050	1,02	0.51	13,0
▲ **5620B1608**	8	16	7	0.016	0,41	0.060	1,27	0.68	17,3
5620B1612	12	16	7	0.016	0,41	0.070	1,79	0.82	20,8
5620B1616	16	16	7	0.016	0,41	0.070	1,79	0.92	23,4



INDIVIDUALLY AND OVERALL SHIELDED TRIADS

Alpha Part No.	No. of Triads	AWG	No. of Strands	Nom. Insulation Thickness Inches	Nom. Insulation Thickness mm	Nom. Jacket Thickness Inches	Nom. Jacket Thickness mm	Nom. O.D. Inches	Nom. O.D. mm
▲ **5650B2004**	4	20	7	0.013	0,33	0.050	1,27	0.44	11,4
▲ **5650B2008**	8	20	7	0.013	0,33	0.050	1,27	0.57	15,0