

COMMUNICATION & CONTROL

BROADEST PRODUCT RANGE

Alpha utilizes its broad range of quality hook-up wires in the supply of Communications and Control Cables used for low voltage signal transmission. Considering the unique electrical, chemical and environmental properties for each specific cable type, the proper wires are selected and combined individually or in twisted pairs under a common protective sheath. Configurations range from simple unshielded multiconductor audio and control cables to individually shielded multipair computer cables with controlled impedance and capacitance.

ADVANCED CABLE DESIGN

The growing sophistication of the electronics industry continues to create a need for specially designed cables for use with computer-controlled electrical and electronic equipment. To satisfy requirements for impedance matching, lower bit error rates, lower cross-talk, longer transmission distances and high signal purity (EMI/RFI), Alpha is supplying an expanding family of Communications and Control Cables – in a full range of sizes, colors, insulations and shield types for installation in normal indoor environments.

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LOGICAL SECTION LAYOUT

Alpha's extensive product selection is designed to put reliability at your fingertips and is arranged in a logical manner for your ordering convenience.

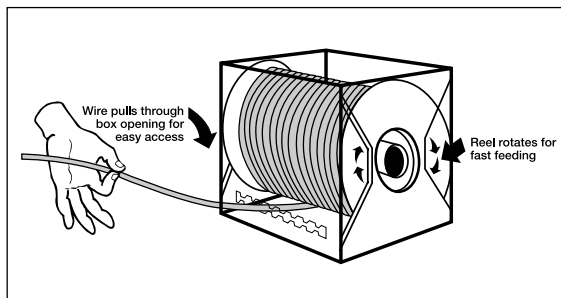
In this section, Alpha Communication and Control Cables are divided into multiconductor and multipair cables. Each category is sub-divided into unshielded and shielded constructions. The shielded products are separated by shield type.

For your convenience we sub-divided even further the plenum multiconductor and multipair cables. Fire alarm cables also categorized to make it easy to locate these special products.

AVAILABILITY

Alpha offers excellent quality, exceptional packaging and "on-the-shelf" inventory.

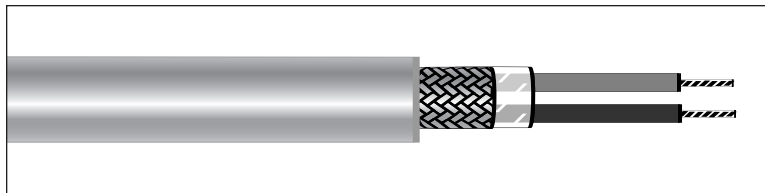
Alpha Communication and Control Cables are available in several categories of reels and cartons. The availability section on each page will help you to quickly identify the put-up you require. Many products are available in our Alpha QWIK – REEL® configuration.



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MULTICONDUCTOR, BRAID SHIELD PE/PVC MICROPHONE CABLES

RoHS COMPLIANT



Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	Insulation Thickness Inches	Insulation Thickness mm	Jacket Thickness Inches	Jacket Thickness mm	Diameter Inches	Diameter mm	Type of Shield	Voltage Rating	◆Nominal Cap. pf/ft.
1702	1	26	7/34	0.016	0,41	0.020	0,50	0.11	2,8	Spiral	1000	38
1703	1	24	10/34	0.020	0,50	0.030	0,76	0.15	3,7	Braid	3500	35
1705	1	24	10/34	0.016	0,41	0.020	0,50	0.11	2,8	Spiral	1000	45
1706	1	20	26/34	0.030	0,76	0.030	0,76	0.18	4,5	Braid	4000	36
1709	2	24	10/34	0.016	0,41	0.030	0,76	0.19	4,8	Spiral	1000	38
1710	2	22	19/34	0.025	0,63	0.025	0,63	0.23	5,8	Braid	1000	31
1712	2	20	26/34	0.015	0,38	0.030	0,76	0.24	6,0	Braid	600	45

◆Between one conductor and remaining conductors (if any) connected to shield.

APPLICATIONS

- 1702-1706: All High Performance Microphones
- 1709-1712: All Low Impedance Microphones

CHARACTERISTICS

OPERATING TEMPERATURE:

- -20°C to 60°C

COLOR DESCRIPTION:

- Color Code: 1-White, 2-Black
- Jacket Color: Gray

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper (1702 has Three Strands of Tinned Copper and Four Strands of Tinned Copperweld)
- Insulation: Polyethylene (PE)
- Wrap: Clear Polyester (Multiconductor Only)
- Shield: Braided Tinned Copper or Spiral Wrapped Tinned Copper (90% Coverage*)
- Jacket: PVC

SPECIFICATIONS

- RoHS Compliant



AVAILABILITY

- 100 ft (30,5m), 500 ft (152m), 1000 ft (305m) put-ups

*P/N 1712 85% Coverage