

**Alpha Wire Company**

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Product Specification: 9223**Date Issued: 3/6/01**

Revised: 4/29/2002*

Product Description: Coaxial cable consisting of a solid silver coated copper conductor, solid polyethylene dielectric, double braided silver coated copper shield, with an overall non-contaminating polyvinylchloride jacket.

Note: All dimensions are in inches unless otherwise specified.

Construction Requirements**Conductor Data:**

| | |
|----------------|-----------------------|
| Material | Silver Coated Copper* |
| AWG, Stranding | 19, Solid |

Dielectric Data:

| | |
|------------------------|--------------------|
| Material | Solid Polyethylene |
| Nominal Wall Thickness | 0.040 |
| Minimum Diameter | 0.112 |
| Nominal Diameter | 0.116 |
| Maximum Diameter | 0.120 |

Shield Data:

| | |
|------------------|----------------------|
| Type | Double Braid |
| Material | Silver Coated Copper |
| Nominal Coverage | 96% |

Jacket Data:

| | |
|------------------------|-------------------------------------|
| Material | Non-contaminating Polyvinylchloride |
| Color | Black |
| Nominal Wall Thickness | 0.027 |
| Minimum Diameter | 0.208 |
| Maximum Diameter | 0.216 |

* Symbol reflects latest change made.

Finished Product Requirements:

| | |
|-------------------------|-------------------------|
| Temperature Range | -20°C to 60°C |
| Nominal Impedance | 50 Ohms |
| Nominal Capacitance | 30.8 pF/ft |
| Nominal Attenuation | 3.0 Db/100' @ 50 MHz |
| | 20.0 Db/100' @ 1.0 GHz |
| | 85.0 Db/100' @ 10.0 GHz |
| | 98.0 Db/100' @ 12.4 GHz |
| Velocity of Propagation | 66% |
| RG Type, MIL-C-17D | 223/U, /84 |

Availability:

100 ft., 500 ft. and 1000 ft. Put-ups.

* *Symbol reflects latest change made.*