

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9187A

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Issue: 3

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A. Construction

Diameters

- | | | |
|----------------|---------------------------------|-------|
| 1) Component 1 | 1 X 1 COAX | |
| a) Conductor | 30 (7/38) AWG SCW | |
| b) Insulation | 0.0255" Wall, Nom. Teflon(PTFE) | 0.063 |
| (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	CLEAR				

- | | | |
|-------------|-------------------------------------|----------------|
| 2) Shield | SPC BRAID Shield,93% Coverage, Min. | |
| 3) Jacket | 0.010" Wall, Nom.,PTFE Tape | 0.105+/- 0.005 |
| a) Color(s) | NATURAL | |

B. Industry Approvals

- | | | |
|-----------------------------------|--------------------|--------------|
| 1) Military | MIL-C-17/RG 187A/U | 200°C / 900V |
| 2) EU Directive 2002/95/EC(RoHS): | | |

All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.

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|-------------------------------|--|
| 3) California Proposition 65: | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65. |
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C. Physical & Mechanical Properties

- | | |
|----------------------|--------------------|
| 1) Temperature Range | -55 to 200°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 3 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | |
|------------------------------|-----------------------------|
| 1) Voltage Rating | 900 V _{RMS} |
| 2) Characteristic Impedance | 75 Ω +/- 3 |
| 3) Ground Capacitance | 19.5 pf/ft @1 kHz, Nominal |
| 4) Velocity of Propagation | 70 % |
| 5) Conductor DCR | 241 Ω/1000ft @20°C, Nominal |
| 6) OA Shield DCR | 8.6 Ω/1000ft @20°C, Nominal |
| 7) Voltage Withstanding | 2 kV, Minimum |
| 8) Corona Extinction | 1.2 kV, Minimum |
| 9) Attenuation, Max dB/100ft | 21 @ 400 MHz |

E. Other

- | | |
|------------------------|--|
| 1) Packaging | |
| a) 1000 FT | |
| b) 500 FT | |
| c) 100 FT | |
| d) Bulk(Made-to-order) | |

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