

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9174
Page 1 of 1 Pages

Issue: 4
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A. Construction

Diameters

- | | | |
|----------------|-------------------------------------|-------|
| 1) Component 1 | 1 X 1 COAX | |
| a) Conductor | 26 (7/34) AWG BCW | |
| b) Insulation | 0.0205" Wall, Nom. Polyethylene(PE) | 0.060 |
| (1) Color(s) | | |

Cond	Color	Cond	Color
1	CLEAR		

- | | | |
|-------------|--|----------------|
| 2) Shield | TC BRAID Shield,85% Coverage, Min. | |
| 3) Jacket | 0.012" Wall, Nom., Type I PVC | 0.102+/- 0.002 |
| a) Color(s) | BLACK | |
| b) Print | ALPHA WIRE-* P/N 9174
RG 174/U RU AWM STYLE 1354 ROHS
* = Factory Code | |

B. Industry Approvals

- | | | |
|-----------------------------------|-------------------------|--------------|
| 1) UL | AWM/STYLE1354 | 60°C / 30V |
| 2) Military | MIL-C-17D/119F RG 174/U | 85°C / 1100V |
| 3) 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.

- 4) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

C. Physical & Mechanical Properties

- | | |
|----------------------|--------------------|
| 1) Temperature Range | -40 to 80°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 3.9 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | |
|-------------------------------|------------------------------|
| 1) Voltage Rating | 1100 V _{RMS} |
| 2) Characteristic Impedance | 50 Ω +/- 2 |
| 3) Ground Capacitance | 30.8 pf/ft @1 kHz, Nominal |
| 4) Velocity of Propagation | 66 % |
| 5) Conductor DCR | 96.7 Ω/1000ft @20°C, Nominal |
| 6) OA Shield DCR | 11.8 Ω/1000ft @20°C, Nominal |
| 7) Voltage Withstanding | 4.5 kV, Minimum |
| 8) Corona Extinction | 1.5 kV, Minimum |
| 9) SRL | 20 db, Minimum |
| 10) Attenuation, Max dB/100ft | 6 @ 50 MHz
48 @ 1 GHz |

E. Other

- | | |
|--------------|--|
| 1) Packaging | |
| a) 1000 FT | |
| b) 500 FT | |
| c) 100 FT | |

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