

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9102
Page 1 of 1 Pages

Issue: 4
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A. Construction

Diameters

- | | | |
|----------------|----------------------------|-------|
| 1) Component 1 | 1 X 1 COND | |
| a) Conductor | 20 (SOLID) AWG BCW | |
| b) Insulation | 0.054" Wall, Nom. Foam FEP | 0.140 |
| (1) Color(s) | | |

Cond	Color	Cond	Color
1	NATURAL		

- | | | |
|-------------|---|--------------------|
| 2) Shield: | A/P/A Tape, 25% Overlap, Min. | |
| a) Braid | TC,94% Coverage, Min. | |
| 3) Jacket | 0.020" Wall, Nom.,PVDF | 0.212 (0.223 Max.) |
| a) Color(s) | BLACK | |
| b) Print | ALPHA WIRE-* P/N 9102
RG 59 TYPE FOAM 20 AWG TYPE CL2P OR CMP 125C (UL)
OR C(UL) CMP FT6 ROHS
* = Factory Code | |

B. Industry Approvals

- | | | |
|-----------------------------------|--|-------|
| 1) UL | CMP
CL2P | 125°C |
| 2) CSA International | C(UL) TYPE CMP
FT6 | 125°C |
| 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 | -10 to 125°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 15.4 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | |
|------------------------------|-------------------------------|
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Characteristic Impedance | 75 Ω |
| 3) Inductance | 0.09 μH/ft, Nominal |
| 4) Ground Capacitance | 16.5 pf/ft @1 kHz, Nominal |
| 5) Velocity of Propagation | 82 % |
| 6) Conductor DCR | 26 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR | 2.6 Ω/1000ft @20°C, Nominal |
| 8) SRL | 22 db, Minimum (50-400Mhz) |
| 9) Attenuation, Max dB/100ft | 2.5 @ 50 MHz
9.2 @ 900 MHz |

E. Other

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

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