

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9108
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Issue: 5
Issue Date: 3/22/2006
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A. Construction

Diameters

- | | | | |
|----|---------------|-------------------------|-------|
| 1) | Component 1 | 2 X 1 COND | |
| | a) Conductor | 20 (7/28) AWG TC | |
| | b) Insulation | 0.018" Wall, Nom. (FEP) | 0.074 |
| | (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	CLEAR	2	BLUE		

- | | | | |
|----|----------------|--|--------------------|
| 2) | Cable Assembly | 2 Components Cabled | |
| | a) Twists: | 4.0 Twists/foot (min) | |
| 3) | Shield | TC BRAID Shield, 95% Coverage, Min. | |
| 4) | Jacket | 0.014" Wall, Nom. (FEP) | 0.198 (0.206 Max.) |
| | a) Color(s) | BLUE | |
| | b) Print | ALPHA WIRE-* P/N 9108
SHIELDED 2C 20 AWG 150C (UL) TYPE CMP C(UL) CMP
ROHS | |
| | | * = Factory Code | |

B. Industry Approvals

- | | | | |
|----|--------------------------------|--|--|
| 1) | UL | CMP | |
| 2) | CSA International | CMP | |
| 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 | -70 to 200°C | |
| 2) | Bend Radius | 10X Cable Diameter | |
| 3) | Pull Tension | 22.8 Lbs, Maximum | |

D. Electrical Properties

(For Engineering purposes only)

- | | | | |
|----|---------------------------|--|--|
| 1) | Voltage Rating | 300 V _{RMS} | |
| 2) | Characteristic Impedance | 78 Ω | |
| 3) | Inductance | 0.2 μH/ft, Nominal | |
| 4) | Mutual Capacitance | 18.4 pf/ft @1 kHz, Nominal | |
| 5) | Velocity of Propagation | 69.5 % | |
| 6) | Conductor DCR | 9.5 Ω/1000ft @20°C, Nominal | |
| 7) | OA Shield DCR | 3.8 Ω/1000ft @20°C, Nominal | |
| 8) | Attenuation, Nom dB/100ft | 0.6 @ 1 MHz
2.1 @ 10 MHz
5 @ 50 MHz
7.5 @ 100 MHz
11 @ 200 MHz
16 @ 400 MHz | |

E. Other

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

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