

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9888C
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Issue: 4
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A. Construction

Diameters

- | | | | |
|----|---------------|--|-------|
| 1) | Component 1 | 2 X 1 COAX | |
| | a) Conductor | 22 (7/30) AWG TC | |
| | b) Insulation | 0.013" Wall, Nom. Polyethylene, High Density | 0.056 |
| | (1) Color(s) | | |

Cond	Color	Cond	Color	Cond	Color
1	WHITE	2	BLUE		

- | | | | |
|----|----------------|---|--------------------|
| 2) | Cable Assembly | 2 Components Cabled | |
| 3) | Shield | TC BRAID Shield, 85% Coverage, Min. | |
| 4) | Jacket | 0.027" Wall, Nom., PVC | 0.184 (0.189 Max.) |
| | a) Color(s) | APPLE SMOKE GRAY | |
| | b) Print | ALPHA WIRE-* P/N 9888C 2C 22 AWG
SHIELDED (UL) TYPE CM OR AWM 2726
C(UL) CMG FT4 ROHS
* = Factory Code | |

B. Industry Approvals

- | | | | |
|----|--|---------------|------------|
| 1) | UL | CM | 60°C |
| | | AWM/STYLE2726 | 60°C / 30V |
| 2) | CSA International | CMG | 60°C |
| | | FT4 | |
| 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

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|----|-------------------|--------------------|
| 1) | Temperature Range | -20 to 60°C |
| 2) | Bend Radius | 10X Cable Diameter |
| 3) | Pull Tension | 11 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | | |
|----|---------------------------|--|
| 1) | Voltage Rating | 300 V _{RMS} |
| 2) | Characteristic Impedance | 78 Ω +/- 10% |
| 3) | Mutual Capacitance | 19.7 pf/ft @1 kHz, Nominal |
| 4) | Velocity of Propagation | 66 % |
| 5) | Conductor DCR | 16.3 Ω/1000ft @20°C, Nominal |
| 6) | OA Shield DCR | 5 Ω/1000ft @20°C, Nominal |
| 7) | Voltage Withstanding | 3 kV, Minimum |
| 8) | Insulation Resistance | 300 MΩ/MFt (Est.) |
| 9) | Attenuation, Max dB/100ft | 0.8 @ 1 MHz
9.5 @ 100 MHz
32 @ 1 GHz |

E. Other

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

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