

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 2821
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Issue: 4
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A. Construction

Diameters

- | | | | |
|----|----------------|--------------------------------|-------|
| 1) | Component 1 | 1 X 1 COND | |
| | a) Conductor | 24 (19/36) AWG SPC | |
| | b) Insulation | 0.010" Wall, Nom. Teflon(PTFE) | 0.044 |
| | (1) Color Code | Alpha Wire Color Code G | |

Cond	Color	Cond	Color	Cond	Color
1	WHITE				

- | | | | |
|----|-------------|-------------------------------------|--------------------|
| 2) | Shield | SPC BRAID Shield,90% Coverage, Min. | |
| 3) | Jacket | 0.010" Wall, Nom.,PTFE Tape | 0.087 (0.096 Max.) |
| | a) Color(s) | WHITE | |

B. Industry Approvals

- 1) Military
 - a) Component 1 MIL-W-16878/4 (Type E) 200°C / 600V
- 2) Other
 - a) Component 1 NEMA HP3-EXBEE 200°C / 600V
- 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 -55 to 200°C
 - 2) Bend Radius 10X Cable Diameter
 - 3) Pull Tension 5.7 Lbs, Maximum
- D. Electrical Properties** (For Engineering purposes only)
- 1) Voltage Rating 600 V_{RMS}
 - 2) Ground Capacitance 55 pf/ft @1 kHz, Nominal
 - 3) Inductance 0.05 μH/ft, Nominal
 - 4) Conductor DCR 22.3 Ω/1000ft @20°C, Nominal
 - 5) OA Shield DCR 9.3 Ω/1000ft @20°C, Nominal

E. Other

- 1) Packaging
 - a) 1000 FT
 - b) 100 FT

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