

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 58903
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Issue: 5
Issue Date: 4/18/2005
Effective Date: 6/27/2005

A. Construction

Diameters

- | | | | |
|----|----------------|-------------------------------|-------|
| 1) | Component 1 | 3 X 1 PAIR | |
| | a) Conductor | 24 (7/32) AWG TC | |
| | b) Insulation | 0.012" Wall, Nom. Teflon(FEP) | 0.048 |
| | (1) Color Code | Alpha Wire Color Code N | |
-
- | Pair | Color | Pair | Color | Pair | Color |
|------|--------------|------|------------|------|------------|
| 1 | BLACK-YELLOW | 2 | RED-VIOLET | 3 | BLUE-BROWN |
-
- | | | | |
|----|-------------------|---|--------------------|
| c) | Pair | 2/Cond Cabled Together | |
| | (1) Twists: | 9.6 Twists/foot (min) | |
| 2) | Cable Assembly | 3 Components Cabled | |
| | a) Twists: | 4.8 Twists/foot (min) | |
| | b) Core Wrap | Clear Mylar Tape, 25% Overlap, Min. | |
| 3) | Shield: | Alum/Mylar Tape, 25% Overlap, Min. | |
| | a) Foil Direction | Foil Facing In | |
| | b) Drain Wire | 24 (7/32) AWG TC | |
| 4) | Jacket | 0.011" Wall, Nom.,PVDF | 0.199 (0.210 Max.) |
| | a) Color(s) | GRAY | |
| | b) Print | ALPHA WIRE-* P/N 58903 3PR 24 AWG
SHIELDED 125C (UL) TYPE CL2P ---
LLXXXXXX CSA TYPE CMP FT6 ROHS | |

* = Factory Code
[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Industry Approvals

- | | | | |
|----|--------------------------------|--|-------|
| 1) | UL | CL2P | 125°C |
| 2) | CSA International | 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

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|----|-------------------|--------------------|
| 1) | Temperature Range | -55 to 125°C |
| 2) | Bend Radius | 10X Cable Diameter |
| 3) | Pull Tension | 24.6 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | | |
|----|--------------------------|----------------------------|
| 1) | Voltage Rating | 150 V _{RMS} |
| 2) | Characteristic Impedance | 110 Ω |
| 3) | Mutual Capacitance | 12.5 pf/ft @1 kHz, Nominal |
| 4) | Ground Capacitance | 23 pf/ft @1 kHz, Nominal |

E. Other

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

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