

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 58412
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Issue: 7
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A. Construction

Diameters

- | | | |
|----------------|-------------------------------------|-------|
| 1) Component 1 | 2 X 1 PAIR | |
| a) Conductor | 22 (7/30) AWG BC | |
| b) Insulation | 0.008" Wall, Nom. PVC, Plenum Rated | 0.046 |
| (1) Color Code | Alpha Wire Color Code A1 | |
-
- | Pair | Color | Pair | Color |
|------|-----------|------|-------------|
| 1 | BLACK-RED | 2 | BLACK-WHITE |
-
- | | | |
|-------------------|----------------------------------------------------------------------------------------------------|--------------------|
| c) Pair | 2/Cond Cabled Together | |
| (1) Twists: | 8.0 Twists/foot (min) | |
| 2) Cable Assembly | 2 Components Cabled | |
| a) Twists: | 4.8 Twists/foot (min) | |
| 3) Shield: | Alum/Mylar Tape, 25% Overlap, Min. | |
| a) Foil Direction | Foil Facing Out | |
| b) Drain Wire | 24 (7/32) AWG TC | |
| 4) Jacket | 0.015" Wall, Nom., PVC, Plenum Rated | 0.185 (0.195 Max.) |
| a) Color(s) | GRAY | |
| b) Print | ALPHA WIRE-* P/N 58412 2PR 22 AWG
SHIELDED (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 | 60°C |
| 2) CSA International | CMP
FT6 | 60°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 | -20 to 60°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 26 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | |
|-----------------------------|------------------------------|
| 1) Voltage Rating | 150 V _{RMS} |
| 2) Mutual Capacitance | 46 pf/ft @1 kHz, Nominal |
| 3) Ground Capacitance | 83 pf/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 45 Ω |
| 5) Inductance | 0.17 μH/ft, Nominal |
| 6) Conductor DCR | 15.3 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR | 15.8 Ω/1000ft @20°C, Nominal |

E. Other

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

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