## ALPHA WIRE COMPANY **CUSTOMER PRODUCT SPECIFICATION**

Part Number: 6427 Issue:

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A. Construction **Diameters** 

1) Component 1 2 X 1 PAIR

18 (19/30) AWG TC a) Conductor

0.016" Wall, Nom. PVC 0.082 b) Insulation ALPHA NUMERIC NUMBERS - 1-ONE ALTERNATING AND (1) Print

INVERTED 2 INCH SPACING(CTR. TO CTR.)

(2) Color Code Alpha Wire Color Code BR

| Pair | Color         | Pair | Color         | Pair | Color |
|------|---------------|------|---------------|------|-------|
| 1    | BLACK#1-RED#1 | 2    | BLACK#2-RED#2 |      |       |

c) Pair 2/Cond Cabled Together (1) Twists: 4.8 Twists/foot (approx.) Cable Assembly 2 Components Cabled 3.0 Twists/foot (min) a) Twists:

Clear Mylar Tape, 25% Overlap, Min. b) Core Wrap 3) Shield: Alum/Mylar Tape, 25% Overlap, Min.

a) Foil Direction Foil Facing In

b) Drain Wire 20 (7/.0121) AWG TC 4) Jacket 0.043" Wall, Nom., PVC

0.362 (0.376 Max.)

a) Color(s) **GRAY** 

ALPHA WIRE-\* P/N 6427 2PR 18 AWG b) Print

> SHIELDED 105C (UL) TYPE PLTC SUN. RES. OR TYPE CM --- LLXXXXXX CSA TYPE CMG FT4 ROHS

\* = Factory Code

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

**B.** Industry Approvals

1) UL CM 105°C **PLTC** 105°C **SUN RES** 

CSA International **CMG** 60°C

FT4

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 105°C 2) Bend Radius 10X Cable Diameter 3) Pull Tension 68 Lbs, Maximum

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating 300 V<sub>RMS</sub>

2) Mutual Capacitance 47 pf/ft @1 kHz, Nominal 3) Ground Capacitance 85 pf/ft @1 kHz, Nominal

Characteristic Impedance 45 Ω

5) Inductance 0.17 µH/ft, Nominal

6) Conductor DCR 6.1 Ω/1000ft @20°C, Nominal

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7) OA Shield DCR

7.9 Ω/1000ft @20°C, Nominal

E. Other

1) Packaging

a) 1000 FT

b) 500 FT

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