## ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: 6436 Issue: 4

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A. Construction <u>Diameters</u>

1) Component 1 4 X 1 PAIR

a) Conductor 22 (7/.0096) AWG TC

b) Insulation 0.013" Wall, Nom. PVC 0.055

(1) Color Code Alpha Wire Color Code BR

Pair	Color	Pair	Color	Pair	Color
1	BLACK#1-RED#1	3	BLACK#3-RED#3		
2	BLACK#2-RED#2	4	BLACK#4-RED#4		

c) Pair 2/Cond Cabled Together (1) Twists: 8.0 Twists/foot (min)

Individually Applied:

d) Shield: Foil Free Alum/Mylar Tape, 25% Overlap, Min.

(1) Foil Direction Foil Facing In
(2) Drain Wire 24 (7/32) AWG TC
2) Cable Assembly 4 Components Cabled
a) Twists: 3.4 Twists/foot (min)

b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.

3) Jacket 0.043" Wall, Nom., PVC 0.334 (0.349 Max.)

a) Color(s) GRAY

b) Print ALPHA WIRE-\* P/N 6436 4PR 22 AWG

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

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

Temperature Range -20 to 105°C
 Bend Radius 10X Cable Diameter
 Pull Tension 55 Lbs, Maximum

**D. Electrical Properties** (For Engineering purposes only)

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

2) Mutual Capacitance3) Ground Capacitance47 pf/ft @1 kHz, Nominal85 pf/ft @1 kHz, Nominal

4) Characteristic Impedance 48 Ω

5) Inductance 0.19 µH/ft, Nominal

6) Conductor DCR 18 Ω/1000ft @20°C, Nominal

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7) Component Shield DCR 19.8 Ω/1000ft @20°C, Nominal

E. Other

1) Packaging

a) 1000 FT

b) 500 FT

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