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

Part Number: 6448 Issue:

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A. Construction **Diameters** 

1) Component 1 15 X 1 PAIR

18 (19/30) AWG TC a) Conductor

b) Insulation 0.016" Wall, Nom. PVC 0.082

(1) Color Code Alpha Wire Color Code BR

Pair	Color	Pair	Color	Pair	Color
1	BLACK#1-RED#1	6	BLACK#6-RED#6	11	BLACK#11-RED#11
2	BLACK#2-RED#2	7	BLACK#7-RED#7	12	BLACK#12-RED#12
3	BLACK#3-RED#3	8	BLACK#8-RED#8	13	BLACK#13-RED#13
4	BLACK#4-RED#4	9	BLACK#9-RED#9	14	BLACK#14-RED#14
5	BLACK#5-RED#5	10	BLACK#10-RED#10	15	BLACK#15-RED#15

c) Pair 2/Cond Cabled Together (1) Twists: 4.8 Twists/foot (min)

Individually Applied:

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

(1) Foil Direction Foil Facing In

(2) Drain Wire 20 (7/.0121) AWG TC 15 Components Cabled 2) Cable Assembly 1.1 Twists/foot (min) a) Twists:

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

0.063" Wall, Nom., PVC 0.829 (0.859 Max.) 3) Jacket

a) Color(s) GRAY

ALPHA WIRE-\* P/N 6448 15PR 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

CM 1) UL 105°C **PLTC** 105°C

SUN RES

60°C CSA International **CMG** 

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 568 Lbs, Maximum

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating  $300 V_{RMS}$ 

2) Mutual Capacitance 59 pf/ft @1 kHz, Nominal 3) Ground Capacitance 106 pf/ft @1 kHz, Nominal

Characteristic Impedance 38 Ω

Inductance 0.17 µH/ft, Nominal

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6) Conductor DCR

6.1 Ω/1000ft @20°C, Nominal 7) Component Shield DCR 8.9 Ω/1000ft @20°C, Nominal

E. Other

1) Packaging

a) 1000 FT

b) 500 FT

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