ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: 58421 Issue: 6

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A. Construction Diameters (In)

1) Component 1 2 X 1 COND

a) Conductor 20 (7/.0121) AWG BC

b) Insulation 0.008" Wall, Nom. PVC, Plenum Rated 0.052

(1) Color Code Alpha Wire Company Color Code D2

Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	WHITE		

2) Cable Assembly 2 Components Cabled a) Twists: 6.0 Twists/foot (min)

3) Shield: Alum/Mylar Tape, 25% Overlap, Min.

a) Foil Directionb) Drain WireFoil Facing Out22 (7/30) AWG TC

4) Jacket 0.015" Wall, Nom., PVC, Plenum Rated 0.138 (0.145 Max.)

a) Color(s) SLATE

b) Print ALPHA WIRE-* P/N 58421 2C 20 AWG

SHIELDED 75C CMP(UL) C(UL) OR 75C (UL) CL2P ROHS

* = Factory Code

B. Industry Approvals

1) UL CMP 75°C CL2P 75°C
2) CSA International FT6

C(UL) TYPE CMP 75°C
3) Other REACH Regulation (EC 1907/2006)

4) 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.

C. Physical & Mechanical Properties

Temperature Range
 Bend Radius
 Pull Tension
 20 to 75°C
 10X Cable Diameter
 21.6 Lbs, Maximum

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating 300 V_{RMS}

Capacitance
 63 pf/ft @1 kHz, Nominal Conductor to Conductor

3) Ground Capacitance 113 pf/ft @1 kHz, Nominal

Characteristic Impedance 35 Ω

5) Inductance 0.16 µH/ft, Nominal

6) Conductor DCR
 7) OA Shield DCR
 10.4 Ω/1000ft @20°C, Nominal
 13.6 Ω/1000ft @20°C, Nominal

E. Other

1) Packaging

a) 1000 FT

b) 500 FT

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