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

Part Number: 45462 Issue: 11

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A. Construction Diameters (In)

2 X 1 COND Component 1 20 (7/28) AWG TC Conductor

Insulation 0.016" Wall, Nom. TPE 0.070

(1) Color Code Alpha Wire Company Color Code D

Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	RED		

Cable Assembly 2 Components Cabled 2) Twists: 8.0 Twists/foot (min)

b) Core Wrap Nonwoven Polyester Tape, 25% Overlap, Min.

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

Foil Direction a) Foil Facing In b) Drain Wire 20 (7/28) AWG TC

0.045" Wall, Nom., TPE Jacket

0.238 (0.248 Max.)

Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White a) Color(s)

1 End 810 Denier Nylon b) Ripcord

c) Print ALPHA WIRE-\* P/N 45462 2C 20 AWG

> XTRAGUARD 4 XTREME PERFORMANCE FOR XTREME ENVIRONMENTS (UL) TYPE PLTC 105C OR AWM 20237 125C 300 VOLTS -- LLXXXXX CSA AWM IA/B IIA/B 125C 300 VOLTS FT1 P-07-KA070017-MSHA

CE <SEQ FOOTAGE>

\* = Factory Code

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

**B.** Industry Approvals

125°C / 300 V<sub>RMS</sub> 1) UL AWM/STYLE 20237

> **PLTC** 105°C

**CSA International** AWM I/II A/B 125°C / 300 V<sub>RMS</sub>

PENNSYLVANIA BUREAU OF MINE SAFETY APPROVED 3) Other

4) EU Directive 2002/95/EC(RoHS):

All materials used in the manufacture of this part are compliant with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment under the now annulled Exemption 9A which allowed Deca-BDE. Alpha Wire is working to completely remove PBDE's from all products. Consult Alpha Wire's web site for compliance Date of Manufacture.

The outer surface materials used in the manufacture of this part meet the California Proposition 65:

requirements of California Proposition 65.

6) CE: LVD 73/23/EEC Amendment 93/68/EEC

C. Physical & Mechanical Properties

1) Temperature Range -50 to 125°C

2) Bend Radius 10X Cable Diameter 3) **Pull Tension** 26 Lbs, Maximum

Sunlight Resistance

D. Electrical Properties (For Engineering purposes only)

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

2) Capacitance 23.8 pf/ft @1 kHz, Nominal Conductor to Conductor

**Ground Capacitance** 3) 43 pf/ft @1 kHz, Nominal

Characteristic Impedance 66 Ω 4)

5) Inductance 0.19 µH/ft, Nominal

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6) Conductor DCR7) OA Shield DCR

10.2  $\Omega$ /1000ft @20°C, Nominal 8.2  $\Omega$ /1000ft @20°C, Nominal

E. Other

- 1) Packaging
  - a) 1000 FT
  - b) 500 FT
  - c) Bulk(Made-to-order)

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