ALPHA WIRE COMPANY **CUSTOMER PRODUCT SPECIFICATION**

Part Number: 5453C Issue: 10

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A. Construction Diameters (In)

Component 1 3 X 1 PAIR

20 (7/28) AWG TC Conductor Insulation 0.016" Wall, Nom. PVC 0.070

(1) Color Code Alpha Wire Company Color Code A

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	2	BLACK-WHITE	3	BLACK-GREEN

2/Cond Cabled Together c) Pair (1) Twists: 6.0 Twists/foot (min) Cable Assembly 3 Components Cabled 4.0 Twists/foot (min) a) Twists:

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

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

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

0.032" Wall. Nom..PVC Jacket 0.320 (0.334 Max.)

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

b) Ripcord 1 End 810 Denier Nylon

Print ALPHA WIRE-* P/N 5453C 3PR 20 AWG c)

XTRAGUARD 1 XTREME PERFORMANCE FOR XTREME ENVIRONMENTS - SHIELDED 105C (UL) TYPE CM OR AWM

2464 VW-1 --- LLXXXXXX CSA 105C TYPE CMG FT4

ROHS <SEQ FOOTAGE> CE

* = Factory Code

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

B. Industry Approvals

1) UL

> Component 1 AWM/STYLE 1569 105°C / 300 VRMS a) Overall AWM/STYLE 2464 80°C / 300 V_{RMS}

CM 105°C

VW-1

2) CSA International CMG 105°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.

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

requirements of California Proposition 65.

LVD 73/23/EEC Amendment 93/68/EEC 5) CE:

C. Physical & Mechanical Properties

1) Temperature Range -20 to 105°C

2) Bend Radius 10X Cable Diameter **Pull Tension** 61 Lbs, Maximum 3)

4) Sunlight Resistance

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating 300 V_{RMS}

Mutual Capacitance 35 pf/ft @1 kHz, Nominal **Ground Capacitance** 63 pf/ft @1 kHz, Nominal

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) Characteristic Impedance 64 Ω

5) Inductance 0.19 µH/ft, Nominal

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

E. Other

- 1) Packaging
 - a) 1000 FT
 - b) 500 FT
 - c) 100 FT
 - d) Bulk(Made-to-order)

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