

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5282C
Page 1 of 2 Pages

Issue: 10
Issue Date: 1/29/2008
Effective Date: 3/1/2008

A. Construction

Diameters

- | | | | |
|----|----------------|-------------------------|-------|
| 1) | Component 1 | 2 X 1 PAIR | |
| | a) Conductor | 20 (7/28) AWG TC | |
| | b) Insulation | 0.016" Wall, Nom. PVC | 0.070 |
| | (1) Color Code | Alpha Wire Color Code A | |

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

- | | | | |
|----|----------------|---|--------------------|
| c) | Pair | 2/Cond Cabled Together | |
| | (1) Twists: | 6.0 Twists/foot (min) | |
| 2) | Cable Assembly | 2 Components Cabled | |
| | a) Twists: | 4.4 Twists/foot (min) | |
| | b) Core Wrap | Nonwoven Polyester Tape, 25% Overlap, Min. | |
| 3) | Jacket | 0.032" Wall, Nom., PVC | 0.298 (0.312 Max.) |
| | a) Color(s) | Gray, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White | |
| | b) Ripcord | 1 End 810 Denier Nylon | |
| | c) Print | ALPHA WIRE-* P/N 5282C 2PR 20 AWG
XTRAGUARD 1 XTREME PERFORMANCE FOR XTREME
ENVIRONMENTS - 105C (UL) TYPE CM OR AWM 2464 VW-1
--- LLXXXXX CSA 105C TYPE CMG FT4 CE
ROHS <SEQ FOOTAGE>
* = Factory Code | |

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

B. Industry Approvals

- | | | | |
|----|--------------------------------|--|--------------|
| 1) | UL | | |
| | a) Component 1 | AWM/STYLE1569 | 105°C / 300V |
| | b) Overall | AWM/STYLE2464 | 80°C / 300V |
| | | 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. | |
| 4) | California Proposition 65: | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65. | |
| 5) | CE: | LVD 73/23/EEC Amendment 93/68/EEC | |

C. Physical & Mechanical Properties

- | | | | |
|----|---------------------|--------------------|--|
| 1) | Temperature Range | -20 to 105°C | |
| 2) | Bend Radius | 10X Cable Diameter | |
| 3) | Pull Tension | 35 Lbs, Maximum | |
| 4) | Sunlight Resistance | Yes | |

D. Electrical Properties

(For Engineering purposes only)

- | | | | |
|----|--------------------|------------------------------|--|
| 1) | Voltage Rating | 300 V _{RMS} | |
| 2) | Mutual Capacitance | 30 pf/ft @1 kHz, Nominal | |
| 3) | Inductance | 0.19 µH/ft, Nominal | |
| 4) | Conductor DCR | 10.4 Ω/1000ft @20°C, Nominal | |

E. Other

- | | | | |
|----|------------|--|--|
| 1) | Packaging | | |
| | a) 1000 FT | | |
| | b) 500 FT | | |

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- c) 100 FT
- d) Bulk(Made-to-order)

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