

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5282C
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Issue: 10
Issue Date: 1/29/2008
Effective Date: 3/1/2008

A. Construction

Diameters (In)

- | | | |
|----------------|---------------------------------|-------|
| 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 Company 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) | Slate, 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
--- LLXXXXXX 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/STYLE 1569 | 105°C / 300 V _{RMS} |
| b) 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. | |
| 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 | |
|--------------|--|

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

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