

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5931
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Issue: 1
Issue Date: 10/8/2008
Effective Date: 11/15/2008

A. Construction

Diameters (In)

- 1) Component 1 8 X 1 COND
- a) Conductor 28 (7/36) AWG TC
- b) Insulation 0.010" Wall, Nom. PVC, Semi Rigid 0.035
- (1) Color Code Alpha Wire Company Color Code E

Cond	Color	Cond	Color	Cond	Color
1	BLACK	4	ORANGE	7	BLUE
2	BROWN	5	YELLOW	8	VIOLET
3	RED	6	GREEN		

- 2) Cable Assembly 8 Components Cabled
- a) Twists: 9.6 Twists/foot (min)
- b) Core Wrap Nonwoven Polyester Tape, 25% Overlap, Min.
- 3) Shield: Alum/Mylar Tape, 25% Overlap, Min.
- a) Foil Direction Foil Facing In
- b) Drain Wire 28 (7/36) AWG TC
- 4) Jacket 0.032" Wall, Nom.,PVC 0.189 (0.202 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 5931 8C 28 AWG

XTRAGUARD 1 XTREME PERFORMANCE FOR XTREME ENVIRONMENTS - SHIELDED 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/STYLE 10002 105°C / 300 VRMS
 - b) Overall AWM/STYLE 2464 80°C / 300 VRMS
 - VW-1
 - CM 105°C
- 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 12.4 Lbs, Maximum
- 4) Sunlight Resistance Yes

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 300 VRMS
- 2) Capacitance 25 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Ground Capacitance 45 pf/ft @1 kHz, Nominal
- 4) Inductance 0.22 µH/ft, Nominal

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- 5) Conductor DCR 66 Ω /1000ft @20°C, Nominal
- 6) OA Shield DCR 37 Ω /1000ft @20°C, Nominal

E. Other

- 1) Packaging
 - a) 1000 FT
 - b) 500 FT
 - c) 328 FT
 - d) 100 FT
 - e) Bulk(Made-to-order)

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