

**ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION**

Part Number: IN1003049	Issue: 1
Page 1 of 1 Pages	Issue Date: 3/19/2010
	Effective Date: 5/14/2010

- A. Construction** Diameters (In)
- 1) Component 1 8 X 1 COND
 - a) Conductor 20 (10/30) AWG TC 0.037
 - b) Insulation 0.0325" Wall, Nom. PVC 0.102
 - (1) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	WHITE	4	WHITE	7	WHITE
2	WHITE	5	WHITE	8	BLACK
3	WHITE	6	WHITE		

- 2) Cable Assembly 8 Components Cabled
 - a) Twists: 3.0 Twists/foot (min)
 - b) Core Wrap Nonwoven Polyester Tape, 25% Overlap, Min.
 - 3) Shield: A/P/A Tape, 25% Overlap, Min.
 - a) Drain Wire 20 (7/28) AWG TC
 - b) Braid TC, 70% Coverage, Min.
 - 4) Jacket 0.063" Wall, Nom., PVC 0.498 (0.522 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 IN1003049 8C 20 AWG
- XTRAGUARD(R) 1 XTREME PERFORMANCE FOR XTREME ENVIRONMENTS (UL) MTW 600V OR AWM 2501 VW-1 --- LLXXXXXX CSA AWM I/A/B IIA/B 105C 600 VOLTS 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 1015 105°C / 600 V_{RMS}
 - MTW 90°C Dry / 60°C Wet / 600 V_{RMS}
 - b) Overall MTW 90°C Dry / 60°C Wet / 600 V_{RMS}
 - AWM/STYLE 2501 105°C / 600 V_{RMS}
 - VW-1
- 2) CSA International
 - a) Component 1 TEW 105°C / 600 V_{RMS}
 - b) Overall AWM I/II A/B 105°C / 600 V_{RMS}
 - FT4
- 3) CE: LVD 73/23/EEC Amendment 93/68/EEC

C. Environmental Approvals

- 1) 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.
- 2) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

D. Physical & Mechanical Properties

- 1) Temperature Range -20 to 105°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 78 Lbs, Maximum
- 4) Sunlight Resistance Yes

E. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 600 V_{RMS}
- 2) Capacitance 31 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Ground Capacitance 56 pf/ft @1 kHz, Nominal

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- 4) Inductance 0.24 μ H/ft, Nominal
- 5) Conductor DCR 11.6 Ω /1000ft @20°C, Nominal
- 6) OA Shield DCR 2.24 Ω /1000ft @20°C, Nominal

F. Other

- 1) Packaging Flange x Traverse x Barrel (inches)
 - a) 1000 FT 24 x 14 x 12 Continuous length
 - b) 500 FT 18 x 12 x 8 Continuous length
 - c) 100 FT 16 x 11 x 8 Continuous length
 - d) Bulk(Made-to-order)

[Spool dimensions may vary slightly]

This Design is custom, Made-To-Order & once accepted, the order is NON-CANCELLABLE & NON-RETURNABLE.

Accepted By:  (SANDEEP MELOTH)	Date: 3/23/2010
Company: HONEYWELL	Title: PROJECT LEADER

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