

ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

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- A. Construction** Diameters (in)
- 1) Component 1 18 X 1 COND
 - a) Conductor 14 (105/34) AWG BC 0.074
 - b) Insulation 0.016" Wall, Nom. PVC/ 0.005" Wall NYLON 0.116
- (1) Print ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND INVERTED
- (2) Color Code Alpha Wire Color Code KX

Cond	Color	Cond	Color	Cond	Color
1	GREEN/YELLOW	7	BLACK6	13	BLACK#12
2	BLACK#1	8	BLACK#7	14	BLACK#13
3	BLACK#2	9	BLACK#8	15	BLACK#14
4	BLACK#3	10	BLACK#9	16	BLACK#15
5	BLACK#4	11	BLACK#10	17	BLACK#16
6	BLACK#5	12	BLACK#11	18	BLACK#17

- 2) Cable Assembly 18 Components Cabled
 - a) Twists: 2.1 Twists/foot (min)
 - b) Core Wrap REMY Tape, 25% Overlap, Min.
- 3) Jacket 0.085" Wall, Nom., PVC 0.733 +/- 0.033
 - a) Color(s) BLACK
 - b) Print ALPHA WIRE-* P/N 669344 18C 14 AWG (2.11mm²)
SERIES XM (UL) WTTC 90C DRY 75C WET 1000V OR
(UL) TC-ER 90C DRY 75C WET 600V SUN RES
DIR BUR OIL RES I OR MTW 14 AWG
--- LLXXXXXX CSA AWM I/II A/B 90C 600V FT4
CE ROHS (DATE CODE) (SEQ FOOTAGE)
* = Factory Code
[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

- B. Applicable Specifications**
- 1) UL
 - a) Component 1 Unlisted Conductor 90°C Dry / 75°C Wet / 600 V_{RMS}
 - b) Overall MTW 90°C Dry / 60°C Wet / 600 V_{RMS}
 - TC 90°C Dry / 75°C Wet / 600 V_{RMS}
 - EXPOSED RUN
 - SUN RES
 - OIL RES I
 - WTTC 90°C Dry / 75°C Wet / 1000 V_{RMS}
 - 2) CSA International AWM I/II A/B 90°C / 600 V_{RMS}
 - FT4
 - LVD 73/23/EEC Amendment 93/68/EEC
 - 3) CE:

- C. Environmental Compliance**
- 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) REACH Regulation (EC 1907/2006): This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see Alpha's (N, A, I, G, M) MSDS documentation.
 - 3) 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 -30 to 90°C (static), -5 to 90°C (dynamic)
 - 2) Bend Radius 8X Cable Diameter (static), 10X Cable Diameter (dynamic)
 - 3) Pull Tension 588 Lbs, Maximum

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- 4) Sunlight Resistance Yes
- E. Electrical Properties (For Engineering purposes only)
 - 1) Voltage Rating 800/1000 VRMS
 - 2) Capacitance 34 pF/ft @1 kHz, Nominal Conductor to Conductor
 - 3) Inductance 0.17 μ H/ft, Nominal
 - 4) Conductor DCR 2.6 Ω /1000ft @20°C, Nominal
- F. Other
 - 1) Packaging Flange x Traverse x Barrel (inches)
 - a) Bulk(Made-to-order)

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

Accepted By: <i>Maria C. Stettin</i>	Date: 10/25/11
Company: KPM HOLDINGS GROUP	Title: BUYER

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