

## Customer Specification

### PART NO. M8704060

## Construction

						Diameters (In)	
1) Component 1						6 X 1 PAIR	
a) Conductor						14 (7/.0242) AWG Bare Copper	0.073
b) Insulation						0.016" Wall, Nom. PVC/ 0.005" Wall NYLON	0.115
(1) Print						ALPHA NUMERIC NUMBERS - WHITE CONDUCTOR ONLY (ONE-1) ALTERNATE INVERTED 2"SPACING(CTR. TO CTR.)	
(2) Color Code						Alpha Wire Color Code BW	
Pair	Color	Pair	Color	Pair	Color		
1	BLACK-WHITE#1	3	BLACK-WHITE#3	5	BLACK-WHITE#5		
2	BLACK-WHITE#2	4	BLACK-WHITE#4	6	BLACK-WHITE#6		
c) Pair						2/Cond Cabled Together	
(1) Twists:						3.7 Twists/foot (min)	
2) Cable Assembly						6 Components Cabled	
a) Twists:						1.4 Twists/foot (min)	
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
c) Core Wrap						Clear Mylar Tape, 25% Overlap, Min.	
3) Shield:						Alum/Mylar Tape, 25% Overlap, Min.	
a) Foil Direction						Foil Facing In	
b) Drain Wire						16 (7/.0192) AWG Tinned Copper	
4) Jacket						0.065" Wall, Nom.,PVC	0.706 (0.739 Max.)
a) Color(s)						BLACK	
b) Ripcord						1 End 810 Denier Nylon	
c) Print						ALPHA WIRE-* P/N M8704060 6PR 14 AWG EXXXXXX (UL) TYPE TC-ER 600V 90C DRY 75C WET SUN. RES. DIR. BUR. CE ROHS * = Factory Code	

## Applicable Specifications

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1) UL	TC	90°C / 600 V <sub>RMS</sub>
	SUN RES	
	DIRECT BURIAL	
	EXPOSED RUN	
2) CE:	EU Low Voltage Directive 2014/35/EU	

## Environmental

1) CE: EU Directive 2011/65/EU(RoHS2), EU Directive 2015/863/EU (RoHS3):	
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011 and the amending Directive 2015/863/EU of 4 June 2015 . No Exemptions are required for RoHS Compliance on this item.
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.

## Properties

<b>Physical &amp; Mechanical Properties</b>	
1) Temperature Range	-25 to 90°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	407 Lbs, Maximum
4) Sunlight Resistance	Yes
5) Direct Burial	Yes
<b>Electrical Properties</b>	
(For Engineering purposes only)	
1) Voltage Rating	600 V <sub>RMS</sub>
2) Mutual Capacitance	35 pF/ft @1 kHz, Nominal
3) Ground Capacitance	63 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	63 Ω
5) Inductance	0.17 μH/ft, Nominal
6) Conductor DCR	2.6 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	3.5 Ω/1000ft @20°C, Nominal

## Other

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<b>Packaging</b>	Flange x Traverse x Barrel (inches)
a) 1000 FT	36 x 14 x 12 Continuous length
b) 500 FT	30 x 14 x 12 Continuous length
c) 100 FT	18 x 9 x 8 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

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