

Customer Specification

PART NO. M8704360

Construction

						Diameters (In)	
1) Component 1						36 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	13	BLACK-WHITE#13	25	BLACK-WHITE#25		
2	BLACK-WHITE#2	14	BLACK-WHITE#14	26	BLACK-WHITE#26		
3	BLACK-WHITE#3	15	BLACK-WHITE#15	27	BLACK-WHITE#27		
4	BLACK-WHITE#4	16	BLACK-WHITE#16	28	BLACK-WHITE#28		
5	BLACK-WHITE#5	17	BLACK-WHITE#17	29	BLACK-WHITE#29		
6	BLACK-WHITE#6	18	BLACK-WHITE#18	30	BLACK-WHITE#30		
7	BLACK-WHITE#7	19	BLACK-WHITE#19	31	BLACK-WHITE#31		
8	BLACK-WHITE#8	20	BLACK-WHITE#20	32	BLACK-WHITE#32		
9	BLACK-WHITE#9	21	BLACK-WHITE#21	33	BLACK-WHITE#33		
10	BLACK-WHITE#10	22	BLACK-WHITE#22	34	BLACK-WHITE#34		
11	BLACK-WHITE#11	23	BLACK-WHITE#23	35	BLACK-WHITE#35		
12	BLACK-WHITE#12	24	BLACK-WHITE#24	36	BLACK-WHITE#36		
c) Pair						2/Cond Cabled Together	
(1) Twists:						3.7 Twists/foot (min)	
2) Cable Assembly						36 Components Cabled	
a) Twists:						0.6 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						0.085" Wall, Nom.,PVC	1.498 (1.565 Max.)
a) Color(s)						BLACK	
b) Ripcord						1 End 810 Denier Nylon	
c) Print						ALPHA WIRE-* P/N M8704360 36PR 14 AWG EXXXXXX (UL) TYPE TC-ER 600V 90C DRY 75C WET SUN. RES. DIR. BUR. CE ROHS * = Factory Code	

Applicable Specifications

1) UL	TC	90°C / 600 V _{RMS}
	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

Physical & Mechanical Properties	
1) Temperature Range	-25 to 90°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	2340 Lbs, Maximum
4) Sunlight Resistance	Yes
5) Direct Burial	Yes
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600 V _{RMS}
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	2.8 Ω/1000ft @20°C, Nominal

Other

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Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	48 x 26 x 18 Continuous length
b) 500 FT	48 x 26 x 18 Continuous length
c) 100 FT	48 x 26 x 18 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

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