

Customer Specification

PART NO. M8704500

Construction

				Diameters (In)	
1) Component 1		50 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	18	BLACK-WHITE#18	35	BLACK-WHITE#35
2	BLACK-WHITE#2	19	BLACK-WHITE#19	36	BLACK-WHITE#36
3	BLACK-WHITE#3	20	BLACK-WHITE#20	37	BLACK-WHITE#37
4	BLACK-WHITE#4	21	BLACK-WHITE#21	38	BLACK-WHITE#38
5	BLACK-WHITE#5	22	BLACK-WHITE#22	39	BLACK-WHITE#39
6	BLACK-WHITE#6	23	BLACK-WHITE#23	40	BLACK-WHITE#40
7	BLACK-WHITE#7	24	BLACK-WHITE#24	41	BLACK-WHITE#41
8	BLACK-WHITE#8	25	BLACK-WHITE#25	42	BLACK-WHITE#42
9	BLACK-WHITE#9	26	BLACK-WHITE#26	43	BLACK-WHITE#43
10	BLACK-WHITE#10	27	BLACK-WHITE#27	44	BLACK-WHITE#44
11	BLACK-WHITE#11	28	BLACK-WHITE#28	45	BLACK-WHITE#45
12	BLACK-WHITE#12	29	BLACK-WHITE#29	46	BLACK-WHITE#46
13	BLACK-WHITE#13	30	BLACK-WHITE#30	47	BLACK-WHITE#47
14	BLACK-WHITE#14	31	BLACK-WHITE#31	48	BLACK-WHITE#48
15	BLACK-WHITE#15	32	BLACK-WHITE#32	49	BLACK-WHITE#49
16	BLACK-WHITE#16	33	BLACK-WHITE#33	50	BLACK-WHITE#50
17	BLACK-WHITE#17	34	BLACK-WHITE#34		
c) Pair		2/Cond Cabled Together			
(1) Twists:		3.7 Twists/foot (min)			
2) Cable Assembly		50 Components Cabled			
a) Twists:		0.5 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		0.115" Wall, Nom.,PVC		1.778 (1.855 Max.)	
a) Color(s)		BLACK			
b) Ripcord		1 End 810 Denier Nylon			
c) Print		ALPHA WIRE-* P/N M8704500 50PR 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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Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	60 x 32 x 32 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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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: M8704500

M8704500, RoHS-Compliant Commencing With 1/1/2006 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above, including all packaging materials, is manufactured in accordance with Directive 2011/65/EU of the European Parliament, better known as the RoHS Directive (commonly known as RoHS 2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. This certification extends to amending Directive 2015/863/EU which expanded the list of restricted substances to 10 items (commonly known as RoHS 3). This product also complies with UK - RoHS. The reader is referred to these Directives for the specific definitions and extents of the Directives. **No Exemptions are required for RoHS Compliance on this item.** Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2014. This product is also in compliance with China RoHS 2 per GB/T 26572-2011.

Substance

Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.01% by weight (100 ppm)
Hexavalent Chromium	0.1% by weight (1000 ppm)
Polybrominated Biphenyls (PBB)	0.1% by weight (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE) , Including Deca-BDE	0.1% by weight (1000 ppm)
Bis(2-ethylhexyl) phthalate (DEHP)	0.1% by weight (1000 ppm)
Butyl benzyl phthalate (BBP)	0.1% by weight (1000 ppm)
Dibutyl phthalate (DBP)	0.1% by weight (1000 ppm)
Diisobutyl phthalate (DIBP)	0.1% by weight (1000 ppm)

Maximum Control Value

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Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering 5/3/2024

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