

Customer Specification

PART NO. 74010

Construction

				Diameters (In)	
1) Component 1		1 X 4 PAIR			
a) Conductor		23 (SOLID) AWG Bare Copper		0.022	
b) Insulation		0.009" Wall, Nom. Polyolefin		0.038	
(1) Color(s)					
Pair	Color	Pair	Color	Pair	Color
1	BLUE - WHITE/BLUE	3	GREEN - WHITE/GREEN		
2	ORANGE - WHITE/ORANGE	4	BROWN - WHITE/BROWN		
c) Pair		Bonded Pair			
(1) Twists:		Staggered Lays			
d) Cabling		4 PAIR Cabled			
(1) Orientation:		Parallel			
e) Jacket		0.018" Wall, Nom.,PVC			
(1) Color(s)		WHITE			
(2) Ripcord		1 End 810 Denier Nylon			
2) Jacket		0.035" Wall, Nom.,PVC		0.475X0.265	
				(0.489X0.289 Max.)	
a) Color(s)		BLACK			
b) Ripcord		1 End 810 Denier Nylon			
c) Print		ALPHA WIRE-* P/N 74010 4PR 23 AWG 75C (UL) CMR OR C(UL) CMR --- TIA-568-C.2 & ISO/IEC 11801 CAT 6 SUN RES OIL RES II --- US PATENT 6273977, 5821467 CE ROHS (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FT [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.] * = Factory Code			

Applicable Specifications

Frequency(MHz)	Max. Attenuation(dB/100m)	Min. NEXT(dB)	Min. PSNEXT(dB)	Min. ACR(dB)
1	1.9	74.3	72.3	70
4	3.7	65.3	63.3	59
8	5.3	60.3	58.3	53
10	5.9	59.3	57.3	51
16	7.5	56.3	54.3	46
20	8.4	54.8	52.8	44
25	9.5	53.4	51.4	42
31.25	10.6	51.9	49.9	39
62.5	15.4	47.4	45.4	30
100	19.8	44.3	42.3	25
155	25.1	41.5	39.5	14
200	29	39.9	37.9	10

Frequency (MHz)	Min. PSACR(dB)	Min. RL(dB)	Min. ELFEXT(dB)	Min. PSELFEXT(dB)
1	70	20	67.8	64.8
4	59	23	55.7	52.7
8	53	24.5	49.7	46.7
10	51	25	47.8	44.8
16	46	25	43.7	40.7
20	44	25	41.7	38.7
25	42	24.3	39.8	36.8
31.25	39	23.6	37.9	34.9
62.5	30	21.5	31.8	28.8
100	25	21	27.8	24.8
155	14	21	23.9	20.9
200	10	21	21.7	18.7

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 500 FT	16 x 11 x 8 Continuous length
	<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: 74010

74010, RoHS-Compliant Commencing With 9/30/2013 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 5/2/2024

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