

Customer Specification

PART NO. 74008

Construction

					Diameters (I	n)		
1) Component 1 1 X 4 PAIR								
a) Conductor		24 (SOLID) AW	24 (SOLID) AWG Bare Copper		0.020	0.020		
b) Insulation		0.009" Wall, N	0.009" Wall, Nom. Polyolefin		0.035	0.035		
(1) Color(s)								
Pair	Color		Pair	Color		Pair	Color	
1	BLUE - WHITE/BLU	JE	3	GREEN - WH	GREEN - WHITE/GREEN			
2	ORANGE - WHITE,	/ORANGE	4	BROWN - W	BROWN - WHITE/BROWN			
c) Pair 2/Cond Cable		d Together						
(1) Twists:		Staggered Lay	Staggered Lays					
d) Cabling		4 PAIR Cabled	4 PAIR Cabled					
(1) Twists:		4.8 Twists/foot	4.8 Twists/foot (min)					
e) Jacket		0.018" Wall, N	0.018" Wall, Nom.,PVC		0.202	0.202		
(1) Color(s)		BLUE						
2) Jacket		0.035" Wall, N	0.035" Wall, Nom.,PVC		0.285 (0.299	0.285 (0.299 Max.)		
a) Color(s)		BLACK	BLACK					
b) Ripcord 1 E		1 End 810 Den	1 End 810 Denier Nylon					
c) Print		CAT 5E CMR C SUN RES OIL F CE ROHS (2 FT [Note: Product	ALPHA WIRE-* P/N 74008 4PR24 AWG VERIFIED (UL) CAT 5E CMR OR C(UL) CMR ISO/IEC 11801 CAT 5E 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

1) UL	CMR	75°C		
	OIL RES I/II			
2) CSA International	C(UL) TYPE CMR	75°C		
	FT4			
3) Other	ISO/IEC 11801 Category 5e Horizontal Cable			
	TIA-568-C.2 Cat5e			
	NEMA WC-63.1 Category 5e			
4) CE:	EU Low Voltage Directive 2014/35/EC			

Environmental

	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. Consult Alpha Wire's web site for RoHS C of C.				
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 <u>Alpha's REACH SVHC Declaration</u> .				
3) California Proposition 65:	Exempt from warning labels based on the Consent Judgment. Please see Alpha's CA Prop 65 Stateme more information.				

Properties

		Physical & Mecha	anical Properties			
1) Temperature Range			-10 to 75°C			
2) Bend Radius			4X Cable Diameter			
3) Pull Tension			25 Lbs, Maximum			
4) Sunlight Resistance			Yes			
5) Cable Weight			30 Lbs/1000Ft			
El	ectrical Properties		(For Engineering purp	oses only)		
1) Voltage Rating			300 V _{RMS}			
2) Characteristic Impedan	ce		100 Ω +/- 15			
3) Mutual Capacitance			15 pF/ft @1 kHz, Nom	ninal		
4) Velocity of Propagation			70 %			
5) Conductor DCR			27.4 Ω/1000ft @20°C,	Nominal		
		<u> </u>				
Frequency(MHz)	Max. Attenuation(dB/100m	Min. NEXT(dB)	Min. PSNEXT(dB)	Min. ACR(dB)	Min. PSACR(dB)	
1	2	65.3	65.3	63.3	63.3	
4	4	56.3	56.3	52.3	52.3	
8	5.7	51.8	51.8	46.1	46.1	
10	6.4	50.3	50.3	43.9	43.9	
16	8.1	47.3	47.3	39.1	39.1	
20	9.2	45.8	45.8	35.2	35.2	
25	10.3	44.3	44.3	34.1	34.1	
31.25	11.6	42.9	42.9	31.3	31.3	
62.5	16.8	38.4	38.4	21.6	21.6	
100	21.7	35.3	35.3	17.1	17.1	
Frequency (MHz)	Input (unfitted) Imp. (Ohms)	Fitted Imp. (Ohms)	Min. ELFEXT(dB)	Min. PSELFEXT(dB)	Min. RL(dB)	
1	100±12	100±10	63.8	60.8	20	
1 4	100±12	100±10	51.7	48.7	23	
8	100±12	100±10	45.7	42.7	24.5	
10	100±12	100±10	43.8	40.8	25	
16	100±12	100±10	39.7	36.7	25	
20	100±12	100±10	37.7	34.7	25	
25	100±15	100±10	35.8	32.8	24.3	
31.25	100±15	100±10	33.9	30.9	23.6	
62.5	100±15	100±10	27.8	24.8	21.5	
	100±15	100±10	23.8	20.8	20.1	

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 500 FT	12 x 10 x 5 Continuous length
	[Spool dimensions may vary slightly]

www.alphawire.com

Alpha Wire 2200 US Highway 27 South Richmond, IN 47374

Tel: 1-800-52 ALPHA

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 74008

74008, 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	Maximum Control Value
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)

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Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering 5/7/2024

Alpha Wire 2200 US Highway 27 South Richmond, IN 47374 Tel: 1-908-925-8000