2200 US Highway 27 South
Richmond, IN 47374
Tel: 1-800-52 ALPHA
Web: www.alphawire.com

Especificación de Cliente

NO. DE PIEZA 75033

Construction

	Diameters (In)	
1) Component 1	2 X 1 PAIR	
a) Conductor	22 (19/34) AWG Tinned Copper	0.032
b) Insulation	0.0135" Wall, Nom. Polyethylene, High Density	0.059
(1) Color(s)		

Pair	Color	Pair	Color	Pair	Color
1	WHITE/ORANGE - ORANGE	2	WHITE/GREEN - GREEN/WHITE		

c) Pair	2/Cond Cabled Together	
(1) Twists:	16.0 Twists/foot (approx.)	
2) Cable Assembly	2 Components Cabled	
a) Twists:	2.0 Twists/foot (min)	
b) Orientation:	Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
c) Core Wrap	Foam Polypropylene Tape, 25% Overlap, Min.	
3) Shield:	Alum/Mylar Tape, 25% Overlap, Min.	
a) Foil Direction	Foil Facing Out	
b) Braid	Tinned Copper,75% Coverage, Min.	
4) Jacket	0.040" Wall, Nom.,TPE	0.310+/- 0.017
a) Color(s)	TEAL	
b) Print	ALPHA WIRE-A3 P/N 75033 HIGH FLEX CAT5E SF/UTP 2P 22AWG E163860 C(UL)US CMX-OUTDOOR - CM 75C SUN RES OR TYPE PLTC OIL RES I/II OR TYPE ITC OR AWM 2463 80C 600V CE ROHS (SEQ FOOTAGE) *[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]*	

Applicable Specifications

1) UL	CM	75°C
	CMX-Outdoor	75°C
	OIL RES I/II	
	SUN RES	
	AWM/STYLE 2463	80°C / 600 V_{RMS}
	PLTC	75°C
	ITC	75°C
2) Other	ISO/IEC 11801 Category 5	
	ANSI/TIA-568.2-D Category 5e	
3) 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	-40 to 80°C
2) Bend Radius	8X Cable Diameter(static), 7X Cable Diameter(dynamic)
3) Pull Tension	27 Lbs, Maximum
4) Sunlight Resistance	Yes
5) Cable Weight	46 Lbs/1000Ft
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	600 V_{RMS}
2) Characteristic Impedance	100 ω +/- 15
3) Capacitance Unbalance	330 pf/100m @1 kHz, Maximum
4) Velocity of Propagation	66 %
5) Conductor DCR	9.38 ω/100m @20°C, Maximum
6) DCR Unbalance	5 % Maximum
7) Skew	45 ns/100m Maximum

Frequency [MHz]	Max. Insertion Loss [dB]	Min. NEXT [dB]	Min.
1	2.4	65.3	
4	4.9	56.3	
8	6.9	51.8	
10	7.8	50.3	
16	9.9	47.2	
20	11.1	45.8	
25	12.5	44.3	
31.25	14.1	42.9	
62.5	20.4	38.4	
100	26.4	35.3	

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	16 x 11 x 8 Continuous length
b) 100 FT	12 x 4.5 x 3.5 Continuous length
	[Spool dimensions may vary slightly]

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La alfa proporciona la información y especificaciones aquí en un 'COMO ES" base, sin representaciones o garantías, si expreso, estatutario o implicado. Nunca va a Alfa ser obligado de cualquier daño (incluso consiguiente, indirecto, secundario, especial, punitivo, o ejemplar) independientemente de, aun si la Alfa hubiera sido informada de la posibilidad de tales daños, si en una acción conforme a contrato, negligencia o cualquier otra teoría, levantándose de o en relación al uso, o inhabilidad de usar, la información o especificaciones descrito aquí.

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 75033

75033, RoHS-Compliant Commencing With 01/01/0001 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above is manufactured in accordance with Directive 2011/65/EU of the European 2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. T the list of restricted substances to 10 items (commonly known as RoHS 3) The reader is referred to these Directives for the specific definitio **Compliance on this item**. Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control c

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)

The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the d guide for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. The intent of this c Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and reg

Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering & QA 25/02/2026

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