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

Especificación de Cliente

NO. DE PIEZA 75032

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 - BLUE	2	YELLOW - ORANGE		

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)	GREEN	
b) Print	ALPHA WIRE-A3 P/N 75032 HIGH FLEX PROFINET TYPE B AND C 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	
	PROFINET TYPE B&C	
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: 75032

75032, 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 04/06/2026

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