

## Especificación de Cliente

### NO. DE PIEZA M9606010

## Construction

|                  |                 |       |       |       |       | Diameters (In)                                                                                                                                                                                                                                   |                    |
|------------------|-----------------|-------|-------|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 1) Component 1   |                 |       |       |       |       | 1 X 1 TRIAD                                                                                                                                                                                                                                      |                    |
| a) Conductor     |                 |       |       |       |       | 16 (7/.0192) AWG Bare Copper                                                                                                                                                                                                                     | 0.058              |
| b) Insulation    |                 |       |       |       |       | 0.016" Wall, Nom. PVC                                                                                                                                                                                                                            | 0.090              |
| (1) Color(s)     |                 |       |       |       |       |                                                                                                                                                                                                                                                  |                    |
| Triad            | Color           | Triad | Color | Triad | Color |                                                                                                                                                                                                                                                  |                    |
| 1                | BLACK-WHITE-RED |       |       |       |       |                                                                                                                                                                                                                                                  |                    |
| c) Pair          |                 |       |       |       |       | 3/Cond Cabled Together                                                                                                                                                                                                                           |                    |
| (1) Twists:      |                 |       |       |       |       | 4.4 Twists/foot (min)                                                                                                                                                                                                                            |                    |
| (2) Core Wrap    |                 |       |       |       |       | Clear Mylar Tape, 25% Overlap, Min.                                                                                                                                                                                                              |                    |
| d) Cabling       |                 |       |       |       |       | 1 TRIAD Cabled                                                                                                                                                                                                                                   |                    |
| (1) Orientation: |                 |       |       |       |       | Components to be arranged from INSIDE LAYER to OUTSIDE LAYER                                                                                                                                                                                     |                    |
| (2) Core Wrap    |                 |       |       |       |       | Clear Mylar Tape, 25% Overlap, Min.                                                                                                                                                                                                              |                    |
| 2) Jacket        |                 |       |       |       |       | 0.038" Wall, Nom.,PVC                                                                                                                                                                                                                            | 0.273 (0.284 Max.) |
| a) Color(s)      |                 |       |       |       |       | BLACK                                                                                                                                                                                                                                            |                    |
| b) Ripcord       |                 |       |       |       |       | 1 End 810 Denier Nylon                                                                                                                                                                                                                           |                    |
| c) Print         |                 |       |       |       |       | ALPHA WIRE-* P/N M9606010 1TRIAD 16 AWG<br>EXXXXX (UL) TYPE PLTC/ITC 105C SUN RES<br>OR CL3 105C OR C(UL) CMG 105C FT4 CE ROHS<br>* = Factory Code<br><i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i> |                    |

## Applicable Specifications

|                      |                                     |       |
|----------------------|-------------------------------------|-------|
| 1) UL                | ITC                                 | 105°C |
|                      | SUN RES                             |       |
|                      | PLTC                                | 105°C |
|                      | CL3                                 | 105°C |
| 2) CSA International | C(UL) TYPE CMG                      | 105°C |
|                      | FT4                                 |       |
| 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             | -20 to 105°C                |
| 2) Bend Radius                   | 10X Cable Diameter          |
| 3) Pull Tension                  | 61 Lbs, Maximum             |
| 4) Sunlight Resistance           | Yes                         |
| Electrical Properties            |                             |
| (For Engineering purposes only)  |                             |
| 1) Voltage Rating                | 300 V <sub>RMS</sub>        |
| 2) Mutual Capacitance            | 31 pF/ft @1 kHz, Nominal    |
| 3) Inductance                    | 0.17 µH/ft, Nominal         |
| 4) Conductor DCR                 | 4.1 Ω/1000ft @20°C, Nominal |
|                                  |                             |

## Other

|  |
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|  |
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| Packaging              | Flange x Traverse x Barrel (inches)         |
|------------------------|---------------------------------------------|
| a) 1000 FT             | 13.5 x 10 x 4 Continuous length             |
| b) 500 FT              | 12 x 10.5 x 5 Continuous length             |
| c) 100 FT              | 10.5 x 5 x 3.5 Continuous length            |
| d) Bulk(Made-to-order) |                                             |
|                        | <i>[Spool dimensions may vary slightly]</i> |
|                        |                                             |

[www.alphawire.com](http://www.alphawire.com)

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## EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: M9606010

M9606010, RoHS-Compliant Commencing With 01/01/2006 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 Union (RoHS 2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The list of restricted substances to 10 items (commonly known as RoHS 3) The reader is referred to these Directives for the specific definitions and **Compliance on this item**. Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control"

| 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),<br>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 date of issuance. This document is not intended to be a 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 document is to provide Regulatory information for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulatory requirements. Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering & QA 05/02/2026

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