

Customer Specification

PART NO. 7602F

Construction

| | | | | | | Diameter ("in") | |
|-------------------|--------------------------|------|------------------------|------|-------|---|--------------------|
| 1) Component 1 | | | | | | 1 x 4 PAIR | |
| a) Conductor | | | | | | 24 (7/32) AWG Copper Alloy | 0.024 |
| b) Insulation | | | | | | 0.011" Wall, Nom. Polyolefin (PO) | 0.046 |
| (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 | | | | | | 2/Cond Cabled Together | |
| (1) Twists | | | | | | 13.7 Twists/ft. (approx.) | |
| d) Cabling | | | | | | 4 PAIR Cabled | |
| (1) Twists | | | | | | 3.0 Twists/ft. min. | |
| e) Jacket | | | | | | 0.020" Wall, Nom., TPE | 0.254 (0.268 max.) |
| (1) Color(s) | | | | | | WHITE | |
| 2) Shield | | | | | | Alum/Mylar Tape, 25% Overlap (min.) | |
| a) Foil Direction | | | | | | Foil Facing Out | |
| b) Braid | | | | | | Tinned Copper, 85% Coverage (min.) | |
| 3) Jacket | | | | | | 0.030" Wall, Nom., TPE | 0.342 (0.364 max.) |
| a) Color(s) | | | | | | BLACK | |
| b) Ripcord | | | | | | 1300 1/E NATURAL POLYESTER | |
| c) Print | | | | | | ALPHA WIRE-* P/N 7602F 4PR 24 AWG CONTINUOUS FLEX INDUSTRIAL ETHERNET (UL) C(UL) TYPE CM 75C FT1 ANSI/TIA-568-C.2 CAT5E PATCH VERIFIED CE ROHS (SEQ FOOTAGE) * = Factory Code <i>Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.</i> | |

Applicable Specifications

| | | |
|----------------------|---------------------------------------|-----------------------------|
| 1) UL | VW-1 | |
| | AWM/STYLE 20626 | 80°C / 300 V _{RMS} |
| 2) CSA International | C(UL) FT1 | |
| 3) Other | ISO/IEC 11801 Category 5e Patch Cable | |
| | ICEA 661 Category 5 Patch | |
| | NEMA WC-63.1 Category 5e Patch | |
| 4) CE | EU Low Voltage Directive 2006/95/EC | |

Environmental

| | |
|---------------------------------------|---|
| 1) CE: EU Directive 2011/65/EU(RoHS2) | 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. Refer to the RoHS Certificate of Compliance for more detail. |
| 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 Alpha's REACH SVHC Declaration . |
| 3) California Proposition 65 | Exempt from warning labels based on the Consent Judgment. Please see Alpha's CA Prop 65 Statement for more information. |

Properties

| Physical & Mechanical Properties | |
|---|--|
| 1) Temperature Range | -40 to 80°C (static); -10 to 80°C (dynamic) |
| 2) Bend Radius | 8X Cable Diameter (static); 10X Cable Diameter (dynamic) |
| 3) Pull Tension | 40 lbs. max. |
| 4) Sunlight Resistance | Yes |
| 5) Cable Weight | 60 lbs./1000ft. |
| 6) Flex Life | 10,000,000 Cycles |
| Electrical Properties | |
| <i>Engineering purposes only</i> | |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Characteristic Impedance | 100 ω +/- 15 |
| 3) Mutual Capacitance | 15 pf/ft. |
| 4) Velocity of Propagation | 69% |
| 5) Conductor DCR | 11 ω /100m (max.) |
| 6) Skew | 45 NS/100m (max.) |
| 7) Pair to Ground Unbalance | 330 pf/100m (max.) |
| 8) DC Unbalance of a Pair | 5% (max.) |
| 9) Insertion Loss | 2.5 (max. dB/100m) @ 1 MHz 4.9 (max. dB/100m) @ 4 MHz 6.9 (max. dB/100m) @ 8 MHz 7.8 (max. dB/100m) @ 10 MHz 9.9 (max. dB/100m) @ 16 MHz 11.1 (max. dB/100m) @ 20 MHz 12.5 (max. dB/100m) @ 25 MHz 14.1 (max. dB/100m) @ 31.25 MHz 20.4 (max. dB/100m) @ 62.5 MHz 26.4 (max. dB/100m) @ 100 MHz |

Other

| Packaging | Flange x Traverse x Barrel (inches) |
|--|-------------------------------------|
| a) 1000 FT | 18 x 12 x 8 Continuous Length |
| b) 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: 7602F

7602F, 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) |

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 its release. The information provided is designed only as a general 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 not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Authorized Signatory for the Alpha Wire:

A handwritten signature in blue ink that reads "Dave Watson".

Dave Watson, Director of Engineering 2/1/2026

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