

Customer Specification

PART NO. GRP-160-3/4

Construction

| | |
|---|--|
| 1) Tubing Type | Expandable Sleaving |
| 2) Tubing Material | Heavy Duty Braided Nylon 6-6 polyamide |
| 3) Minimum Supplied ID(In) | 0.750 |
| 4) Maximum Expanded ID (In) | 1.250 |
| 5) Nominal Wall Thickness +/- 0.005(In) | 0.050 |
| 6) Number of Carriers | 40 |
| 7) Number of Yarns | 3 |
| 8) Total Number of Monofilaments | 120 |
| 9) Color(s) | BLACK |

Applicable Specifications

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Environmental

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| 1) EU Directive 2011/65/EU(RoHS2), EU Directive 2015/863/EU (RoHS3): | All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU and the amending Directive 2015/863/EU of 4 June 2015 regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. |
| 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. |
| 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 | -45 to 150°C | |
| 2) Tensile Strength | 19psi, Min | ASTM D638 |
| 3) Specific Gravity | 1.14, Max | ASTM D792 |
| Electrical Properties | | |
| Chemical Properties | | |
| 1) Water Absorption | 2.50%, Max | ASTM D570 |
| 2) Corrosion(0°C,16hrs) | no corrosion | AMS-DTL-23053 |
| 3) Fungus Resistance | Pass | AMS-DTL-23053 |
| 4) Halogen Free | Yes | |
| 5) Lead Free | Yes | |

Other

| Packaging | |
|-----------|---|
| 1) 250 FT | CR10.5-6: 10.5 x 6 x 3.25 Max. 3 pieces/Min length 20 FT. |

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: GRP-160-3/4

GRP-160-3/4, RoHS-Compliant Commencing With 24/09/2010 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. This document also certifies compliance with 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 restrictions. **Compliance on this item.** Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control" requirements.

| 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 issuance. This document is intended to provide guidance 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 for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulatory requirements. Alpha Wire is an Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering & QA 02/04/2025

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