

Customer Specification

PART NO. 80020

Construction

| | | | | | | Diamete | ers (In) |
|---|-------|--|--------------------------------|----------------|-------|----------------|----------|
| 1) Component 1 2 X 1 COND | | | | | | | |
| a) Conductor 20 (26/34) AWG Tinned | | Copper | | | 0.035 | | |
| b) Insulation 0.010" Wall, Nom. MPPE | | | | | 0.055 | | |
| (1) Print ALPHANUMERIC NU INVERTED | | | MBERS - 1-ONE ALTERNATING AND | | | | |
| (2) Color Code | | Alpha Wire Color Code k | (X | | | | |
| Cond | Color | | Cond | Color | Cond | k | Color |
| 1 | GREE | N/YELLOW | 2 | BLACK#1 | | | |
| 2) Cable Assembly | | 2 Components Cabled | | | | | |
| a) Twists: | | 9.6 Twists/foot (min) | | | | | |
| b) Orientation: Components to be arran | | ged from INSIDE LAYER to OUTSIDE LAYER | | | | | |
| | | Nonwoven Polyester Tap | ster Tape, 25% Overlap, Min. | | | | |
| 3) Jacket 0.032" Wall, Nom. | | 0.032" Wall, Nom.,Polyu | olyurethane, Zero Halogen (ZH) | | | 0.178+/- 0.010 | |
| a) Color(s) | | SLATE | | | | | |
| b) Print CRU AWM STYLE 21959 9 CRU AWM STYLE 21959 9 CRU AWM I/II A/B 90C 6 CE ROHS (SEQ FOOTAGI * = Factory Code | | | 0C 600V SUN 600V FT2 IE | RES 60C OIL OR | | | |

Applicable Specifications

| 1) UL | | | |
|----------------------|-------------------------------------|------------------------------|--|
| a) Component 1 | AWM/STYLE 11231 | 105°C / 600 V _{RMS} | |
| b) Overall | AWM/STYLE 21959 | 90°C / 600 V _{RMS} | |
| | 60C OIL | | |
| | SUN RES | | |
| 2) CSA International | C(RU) AWM I/II A/B | 90°C / 600 V _{RMS} | |
| | FT2 | | |
| 3) IEC | | | |
| a) Component 1 | EN 60228 Conductors, Class 6 | | |
| b) Overall | EN 60754-1 Acid Gas Generation | | |
| | EN 60754-2 Acid Gas Generation | | |
| | EN 60332-1 Flame Behavior | | |
| | EN 60332-2 Flame Behavior | | |
| 4) Other | NFPA 79 - 2015 Compliant | | |
| 5) CE: | EU Low Voltage Directive 2014/35/EU | | |

Environmental

| | 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 (E | C 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 | | | | |
|---|--|--|--|--|
| -50 to 90°C(static), -40 to 80°C (dynamic) | | | | |
| 4X Cable Diameter(static), 6X Cable Diameter(dynamic) | | | | |
| 16.2 Lbs, Maximum | | | | |
| Yes | | | | |
| (For Engineering purposes only) | | | | |
| 600 V _{RMS} | | | | |
| 20.4 pF/ft @1 kHz, Nominal Conductor to Conductor | | | | |
| 79 Ω | | | | |
| 0.17 μH/ft, Nominal | | | | |
| 11.1 Ω/1000ft @20°C, Nominal | | | | |
| | -50 to 90°C(static), -40 to 80°C (dynamic) 4X Cable Diameter(static), 6X Cable Diameter(dynamic) 16.2 Lbs, Maximum Yes (For Engineering purposes only) 600 V _{RMS} 20.4 pF/ft @1 kHz, Nominal Conductor to Conductor 79 Ω 0.17 µH/ft, Nominal | | | |

| Packaging | Flange x Traverse x Barrel (inches) |
|------------------------|--------------------------------------|
| a) 100 FT | 6.5 x 2 x 1.9 Continuous length |
| b) Bulk(Made-to-order) | |
| | [Spool dimensions may vary slightly] |
| | |

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 80020

80020, RoHS-Compliant Commencing With 5/18/2015 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 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) |

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Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering 5/4/2024

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