

Customer Specification

PART NO. 78342

Construction

| | | | | | | Diameters (In) | |
|---------------------|-------|------|-------|------|-------|--|--------------------|
| 1) Component 1 | | | | | | 2 X 1 COND | |
| a) Conductor | | | | | | 20 (19/32) AWG Tinned Copper | 0.040 |
| b) Insulation | | | | | | 0.007" Wall, Nom. Modified Polyphenylene Ether-PE | 0.054 |
| (1) Color Code | | | | | | Alpha Wire Color Code D | |
| Cond | Color | Cond | Color | Cond | Color | | |
| 1 | BLACK | 2 | RED | | | | |
| 2) Cable Assembly | | | | | | 2 Components Cabled | |
| a) Twists: | | | | | | 8.0 Twists/foot (min) | |
| b) Orientation: | | | | | | Components to be arranged from INSIDE LAYER to OUTSIDE LAYER | |
| c) Core Wrap | | | | | | Nonwoven Polyester Tape, 25% Overlap, Min. | |
| 3) Shield: | | | | | | A/P/A Tape, 25% Overlap, Min. | |
| a) Drain Wire | | | | | | 20 (7/28) AWG Tinned Copper | |
| b) Braid | | | | | | Tinned Copper, 70% Coverage, Min. | |
| 4) Jacket | | | | | | 0.015" Wall, Nom., Modified Polyphenylene Ether-PE | 0.173 (0.181 Max.) |
| a) Color(s) | | | | | | SLATE | |
| b) Ripcord | | | | | | 1 End 810 Denier Nylon | |
| c) Jacket Separator | | | | | | Nonwoven Polyester Tape, 25% Overlap, Min. | |
| d) Print | | | | | | ALPHA WIRE-* P/N 78342 2C 20 AWG ECOCABLE(R) MINI RU AWM 21460 80C 300V VW-1 C(RU) AWM I A/B FT1 80C 300V CE ROHS (SEQ FOOTAGE) * = Factory Code | |

Applicable Specifications

| | | |
|----------------------|-------------------------------------|-----------------------------|
| 1) UL | AWM/STYLE 21460 | 80°C / 300 V _{RMS} |
| | VW-1 | |
| 2) CSA International | C(RU) AWM I A/B FT1 | 80°C / 300 V _{RMS} |
| 3) Other | Halogen-Free | |
| | NFPA 79 - 2015 Compliant | |
| 4) 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 | 10X Cable Diameter |
| 3) Pull Tension | 30 Lbs, Maximum |
| Electrical Properties | (For Engineering purposes only) |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 43 pF/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 77 pF/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 38 Ω |
| 5) Inductance | 0.15 μH/ft, Nominal |
| 6) Conductor DCR | 9.4 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR | 5 Ω/1000ft @20°C, Nominal |
| | |

Other

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| Packaging | Flange x Traverse x Barrel (inches) |
|------------------------|---|
| a) 1000 FT | 12 x 5.94 x 5 Continuous length |
| b) 100 FT | 6.5 x 2 x 1.9 Continuous length |
| c) Bulk(Made-to-order) | |
| | <i>[Spool dimensions may vary slightly]</i> |
| | |

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| Lead | □□□□□□□□□□0.1% (1000 ppm) |
| Mercury | □□□□□□□□□□0.1% (1000 ppm) |
| Cadmium | □□□□□□□□□□0.01% (100 ppm) |
| Hexavalent Chromium | □□□□□□□□□□0.1% (1000 ppm) |
| Polybrominated Biphenyls (PBB) | □□□□□□□□□□0.1% (1000 ppm) |
| Polybrominated Diphenyl Ethers (PBDE), Including Deca-BDE | □□□□□□□□□□0.1% (1000 ppm) |
| Bis(2-ethylhexyl) phthalate (DEHP) | □□□□□□□□□□0.1% (1000 ppm) |
| Butyl benzyl phthalate (BBP) | □□□□□□□□□□0.1% (1000 ppm) |
| Dibutyl phthalate (DBP) | □□□□□□□□□□0.1% (1000 ppm) |
| Diisobutyl phthalate (DIBP) | □□□□□□□□□□0.1% (1000 ppm) |

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