

Customer Specification

PART NO. 86202CY

Construction

| | | | | | | Diameters (In) | |
|---------------------|-------|------|-------|------|-------|---|-----------------|
| 1) Component 1 | | | | | | 2 X 1 COND | |
| a) Conductor | | | | | | 24 (10/34) AWG Tinned Copper | 0.024 |
| b) Insulation | | | | | | 0.010" Wall, Nom. PVC, Semi Rigid | 0.044 |
| (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: | | | | | | 12.0 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: | | | | | | Flex Alum/Mylar Tape, 25% Overlap, Min. | |
| a) Foil Direction | | | | | | Foil Facing Out | |
| b) Drain Wire | | | | | | 26 (7/34) AWG Tinned Copper | |
| c) Single Serve | | | | | | Tinned Copper, 90% Coverage, Nom. | |
| 4) Jacket | | | | | | 0.040" Wall, Nom., PVC | 0.192 +/- 0.010 |
| a) Color(s) | | | | | | SLATE | |
| b) Jacket Separator | | | | | | Tissue Tape, 25% Overlap, Min. | |
| c) Print | | | | | | ALPHA WIRE-* P/N 86202CY 2C 24 AWG XTRAGUARD(R) CONTINUOUS FLEX DATA CABLE (UL) 105C TYPE CM SUN RES OR C(UL) CMG OR AWM 2661 105C 300V --- LL49185 CSA AWM I/II A/B FT4 105C 300V CE ROHS OIL RESISTANT (SEQ FOOTAGE) * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i> | |

Applicable Specifications

| | |
|--|--|
| | |
|--|--|

| | | |
|----------------------|-------------------------------------|------------------------------|
| 1) UL | | |
| a) Component 1 | AWM/STYLE 10002 | 105°C / 300 V _{RMS} |
| b) Overall | AWM/STYLE 2661 | 105°C / 300 V _{RMS} |
| | CM | 105°C |
| | SUN RES | |
| 2) CSA International | AWM I/II A/B | 105°C / 300 V _{RMS} |
| | C(UL) TYPE CMG | 105°C |
| | FT4 | |
| 3) Other | Oil Resistant | |
| 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. |
| 3) California Proposition 65: | This product may contain substances known to the State of California to cause Cancer or Reproductive Harm, but is exempt from labeling based on the Consent Judgement. See the Alpha Wire website for more information. |

Properties

| Physical & Mechanical Properties | |
|--|---|
| 1) Temperature Range | -10 to 105°C(static), +5 to 105°C (dynamic) |
| 2) Bend Radius | 8X Cable Diameter(static), 8X Cable Diameter(dynamic) |
| 3) Pull Tension | 10.4 Lbs, Maximum |
| 4) Sunlight Resistance | Yes |
| Electrical Properties (For Engineering purposes only) | |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 34 pF/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 61 pF/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 55 Ω |
| 5) Inductance | 0.19 μH/ft, Nominal |
| 6) Conductor DCR | 29 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR | 8.1 Ω/1000ft @20°C, Nominal |

Other

| Packaging | Flange x Traverse x Barrel (inches) |
|-------------------------------------|---|
| a) 1000 FT | 12 x 10.5 x 5 Continuous length |
| b) 500 FT | 10.5 x 5 x 3.5 Continuous length |
| c) 100 FT | 6.5 x 4 x 2.5 Continuous length |
| | <i>[Spool dimensions may vary slightly]</i> |
| Notes: | |
| a) Oil Resistant Jacket (7d @ 60C). | |

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 86202CY

86202CY, RoHS-Compliant Commencing With 01/08/2005 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

Lead
Mercury
Cadmium
Hexavalent Chromium
Polybrominated Biphenyls (PBB)
Polybrominated Diphenyl Ethers (PBDE),
Including Deca-BDE
Bis(2-ethylhexyl) phthalate (DEHP)
Butyl benzyl phthalate (BBP)
Dibutyl phthalate (DBP)
Diisobutyl phthalate (DIBP)

Maximum Control Value

0.1% by weight (1000 ppm)
0.1% by weight (1000 ppm)
0.01% by weight (100 ppm)
0.1% by weight (1000 ppm)
0.1% by weight (1000 ppm)
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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 this document. It is intended to be used as 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 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 01/04/2025

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