

Customer Specification

PART NO. 86207

Construction

| | | | | | | Diameters (In) | |
|-------------------|-------|------|--------|------|-------|--|----------------|
| 1) Component 1 | | | | | | 7 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 | 4 | GREEN | 7 | BROWN | | |
| 2 | RED | 5 | ORANGE | | | | |
| 3 | WHITE | 6 | BLUE | | | | |
| 2) Cable Assembly | | | | | | 7 Components Cabled | |
| a) Twists: | | | | | | 6.9 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) Jacket | | | | | | 0.040" Wall, Nom.,PVC | 0.233+/- 0.013 |
| a) Color(s) | | | | | | SLATE | |
| b) Print | | | | | | ALPHA WIRE-* P/N 86207 7C 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 [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.] | |

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 | 21.8 Lbs, Maximum |
| 4) Sunlight Resistance | Yes |
| Electrical Properties | |
| (For Engineering purposes only) | |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Capacitance | 21.2 pF/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Inductance | 0.19 µH/ft, Nominal |
| 4) Conductor DCR | 29 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 | 12 x 5.94 x 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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Alpha Wire 86207

Alpha 2011/65/EURoHS22015/863/EURoHSSJ/T 11364-2014

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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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