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Customer Specification

PART NO. 86510CY

Construction

| | | Diameters (In) | | | |
|---------------------|-------------|--|--------------|----------------|-----------|
| 1) Component 1 | | 10 X 1 PAIR | | | |
| a) Conductor | | 26 (7/34) AWG TC | | 0.019 | |
| b) Insulation | | 0.010" Wall, Nom. PVC, Semi Rigid | | 0.039 | |
| (1) Color Code | | Alpha Wire Color Code A | | | |
| Pair | Color | Pair | Color | Pair | Color |
| 1 | BLACK-RED | 5 | BLACK-BROWN | 9 | RED-WHITE |
| 2 | BLACK-WHITE | 6 | BLACK-YELLOW | 10 | RED-BLUE |
| 3 | BLACK-GREEN | 7 | BLACK-ORANGE | | |
| 4 | BLACK-BLUE | 8 | RED-GREEN | | |
| c) Pair | | 2/Cond Cabled Together | | | |
| (1) Twists: | | 12.0 Twists/foot (min) | | | |
| 2) Cable Assembly | | 10 Components Cabled | | | |
| a) Twists: | | 4.0 Twists/foot (min) | | | |
| b) 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 TC | | | |
| c) Braid | | TC,85% Coverage, Min. | | | |
| 4) Jacket | | 0.045" Wall, Nom.,PVC | | 0.392+/- 0.022 | |
| a) Color(s) | | SLATE | | | |
| b) Jacket Separator | | Tissue Tape, 25% Overlap, Min. | | | |
| c) Print | | ALPHA WIRE-* P/N 86510CY 10PR 26 AWG XTRAGUARD(R) CONTINUOUS FLEX DATA CABLE (UL) 105C TYPE CM --- C(UL) CMG OR AWM 2661 105C 300V --- LLXXXXXX CSA AWM I/II A/B FT4 105C 300V CE ROHS (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 |
| 2) CSA International | AWM I/II A/B | 105°C / 300 V _{RMS} |
| | C(UL) TYPE CMG | 105°C |
| | FT4 | |
| 3) CE: | EU Low Voltage Directive 2006/95/EC | |

Environmental

| | |
|--|---|
| 1) CE: EU Directive 2011/65/EU(RoHS2): | |
| | This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS C of C. |
| 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. For up-to-date information, please see Alpha's REACH SVHC Declaration. |
| 3) California Proposition 65: | |
| | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65. |

Properties

| | |
|--|---|
| Physical & Mechanical Properties | |
| 1) Temperature Range | -10 to 105°C(static), +5 to 105°C (dynamic) |
| 2) Bend Radius | 10X Cable Diameter(static), 15X Cable Diameter(dynamic) |
| 3) Pull Tension | 55 Lbs, Maximum |
| 4) Sunlight Resistance | Yes |
| Electrical Properties (For Engineering purposes only) | |
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Mutual Capacitance | 21.4 pf/ft @1 kHz, Nominal |
| 3) Ground Capacitance | 39 pf/ft @1 kHz, Nominal |
| 4) Characteristic Impedance | 89 Ω |
| 5) Inductance | 0.2 μH/ft, Nominal |
| 6) Conductor DCR | 42 Ω/1000ft @20°C, Nominal |
| 7) OA Shield DCR | 1.94 Ω/1000ft @20°C, Nominal |

Other

| | |
|------------------|---|
| Packaging | Flange x Traverse x Barrel (inches) |
| a) 1000 FT | 20 x 11 x 8 Continuous length |
| b) 500 FT | 16 x 11 x 8 Continuous length |
| c) 100 FT | 12 x 10 x 5 Continuous length |
| | <i>[Spool dimensions may vary slightly]</i> |