

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: SF61110CY
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Issue: 4
Issue Date: 10/13/2011
Effective Date: 11/4/2011

A. Construction

Diameters (In)

- | | | |
|----------------|---|-------|
| 1) Component 1 | 4 X 1 COND | |
| a) Conductor | 10 (105/30) AWG TC | 0.118 |
| b) Insulation | 0.022" Wall, Nom. PVC/ 0.005" Wall NYLON | 0.172 |
| (1) Print | ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND INVERTED | |
| (2) Color Code | Alpha Wire Color Code KX | |
-
- | Cond | Color | Cond | Color | Cond | Color |
|------|--------------|------|---------|------|-------|
| 1 | GREEN/YELLOW | 3 | BLACK#2 | | |
| 2 | BLACK#1 | 4 | BLACK#3 | | |
-
- | | | |
|---------------------|--|----------------|
| 2) Cable Assembly | 4 Components Cabled | |
| a) Twists: | 3.0 Twists/foot (min) | |
| b) Core Wrap | REMAI Tape, 25% Overlap, Min. | |
| 3) Shield: | A/P/A Tape, 25% Overlap, Min. | |
| a) Drain Wire | 20 (19/32) AWG TC | |
| b) Braid | TC,85% Coverage, Min. | |
| 4) Jacket | 0.065" Wall, Nom.,TPE | 0.605+/- 0.027 |
| a) Color(s) | ORANGE | |
| b) Jacket Separator | Tissue Tape, 25% Overlap, Min. | |
| c) Print | ALPHA WIRE-* P/N SF61110CY 4C 10 AWG
THHN E324185 (UL) WTTC 90C 1000 VOLT OR (UL)
TC-ER 90C 600V OIL RES I/II SUN RES OR C(UL) CIC
CONTROL/TC 90C PVC/NYLON INS FT4 10 AWG
--- LLXXXXXX CSA AWM I/II A/B 90C 600V FT4
CE ROHS (DATE CODE) (SEQ FOOTAGE)
* = Factory Code | |

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Applicable Specifications

- | | | |
|----------------------|-----------------------------------|------------------------------|
| 1) UL | | |
| a) Component 1 | THHN | 90°C / 600 V _{RMS} |
| b) Overall | TC | 90°C / 600 V _{RMS} |
| | EXPOSED RUN | |
| | OIL RES I/II | |
| | SUN RES | |
| | WTTC | 90°C / 1000 V _{RMS} |
| 2) CSA International | AWM I/II A/B | 90°C / 600 V _{RMS} |
| | FT4 | |
| | C(UL) CIC CONTROL | 90°C / 600 V _{RMS} |
| | C(UL) TC | 90°C / 600 V _{RMS} |
| 3) CE: | LVD 73/23/EEC Amendment 93/68/EEC | |

C. Environmental Compliance

- 1) EU Directive 2002/95/EC(RoHS):
All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.
- 2) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

D. Physical & Mechanical Properties

- 1) Temperature Range -25 to 90°C(static), -5 to 90°C (dynamic)
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 354 Lbs, Maximum
- 4) Sunlight Resistance Yes

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- E. Electrical Properties** (For Engineering purposes only)
- 1) Voltage Rating 600 V_{RMS}
 - 2) Capacitance 61 pf/ft @1 kHz, Nominal Conductor to Conductor
 - 3) Ground Capacitance 110 pf/ft @1 kHz, Nominal
 - 4) Inductance 0.16 μH/ft, Nominal
 - 5) Conductor DCR 1.1 Ω/1000ft @20°C, Nominal
 - 6) OA Shield DCR 1.26 Ω/1000ft @20°C, Nominal
- F. Other**
- 1) Packaging Flange x Traverse x Barrel (inches)
 - a) 1000 FT 30 x 14 x 12 Continuous length
 - b) 500 FT 24 x 14 x 12 Continuous length
 - c) 100 FT 16 x 11 x 8 Continuous length

[Spool dimensions may vary slightly]
 - 2) Notes:
 - a) Suitable for use in Industrial Machinery per the requirements of NFPA-79

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