

## Customer Specification

### PART NO. 5362C

## Construction

|                   |       |      |       |      |       | Diameters (In)  |                    |
|-------------------|-------|------|-------|------|-------|---|--------------------|
| 1) Component 1    |       |      |       |      |       | 2 X 1 COND  |                    |
| a) Conductor      |       |      |       |      |       | 16 (19/.0117) AWG Tinned Copper   | 0.059              |
| b) Insulation     |       |      |       |      |       | 0.016" Wall, Nom. PVC   | 0.091              |
| (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:        |       |      |       |      |       | 4.8 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:        |       |      |       |      |       | Alum/Mylar Tape, 25% Overlap, Min.  |                    |
| a) Foil Direction |       |      |       |      |       | Foil Facing In  |                    |
| b) Drain Wire     |       |      |       |      |       | 16 (19/.0117) AWG Tinned Copper   |                    |
| 4) Jacket         |       |      |       |      |       | 0.032" Wall, Nom.,PVC   | 0.254 (0.265 Max.) |
| a) Color(s)       |       |      |       |      |       | Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White   |                    |
| b) Ripcord        |       |      |       |      |       | 1 End 810 Denier Nylon  |                    |
| c) Print          |       |      |       |      |       | ALPHA WIRE-* P/N 5362C 2C 16 AWG<br>XTRAGUARD(R) 1 SHIELDED (UL) TYPE CM 105C SUN RES<br>OR AWM 2464 80C 300V OR AWM 2517 105C 300V<br>VW-1 OR C(UL) TYPE CMG 105C FT4 CE ROHS<br>OIL RESISTANT (SEQ FOOTAGE)<br>* = Factory Code<br><i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i> |                    |

## Applicable Specifications



| Physical & Mechanical Properties |   |
|----------------------------------|---|
| 1) Temperature Range             | -30 to 105°C                                    |
| 2) Bend Radius                   | 10X Cable Diameter                              |
| 3) Pull Tension                  | 61 Lbs, Maximum                                 |
| 4) Sunlight Resistance           | Yes   |
| Electrical Properties            | (For Engineering purposes only)                 |
| 1) Voltage Rating                | 300 V <sub>RMS</sub>                            |
| 2) Capacitance                   | 57 pF/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance            | 103 pF/ft @1 kHz, Nominal                       |
| 4) Characteristic Impedance      | 37 Ω  |
| 5) Inductance                    | 0.17 μH/ft, Nominal                             |
| 6) Conductor DCR                 | 4.3 Ω/1000ft @20°C, Nominal                     |
| 7) OA Shield DCR                 | 3.9 Ω/1000ft @20°C, Nominal                     |
|                                  |   |

## Other

| Packaging                           | Flange x Traverse x Barrel (inches)         |
|-------------------------------------|---|
| a) 1000 FT                          | 13.5 x 10 x 4 Continuous length             |
| b) 500 FT                           | 12 x 5.94 x 5 Continuous length             |
| c) 100 FT                           | 10.5 x 5 x 3.5 Continuous length            |
| d) Bulk(Made-to-order)              |   |
|                                     | <i>[Spool dimensions may vary slightly]</i> |
| Notes:                              |   |
| a) Oil Resistant Jacket (7d @ 60C). |   |
|                                     |   |

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