

**ALPHA WIRE COMPANY**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 55364**  
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**Issue: 8**  
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**A. Construction**

**Diameters**

- |                |                               |       |
|----------------|-------------------------------|-------|
| 1) Component 1 | 4 X 1 COND                    |       |
| a) Conductor   | 16 (19/.0117) AWG TC          |       |
| b) Insulation  | 0.010" Wall, Nom. Teflon(FEP) | 0.079 |
| (1) Color Code | Alpha Wire Color Code E       |       |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	RED		
2	BROWN	4	ORANGE		

- |                   |   |                    |
|-------------------|---|--------------------|
| 2) Cable Assembly | 4 Components Cabled   |                    |
| a) Twists:        | 4.4 Twists/foot (min)   |                    |
| b) Core Wrap      | Teflon(skived) 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 TC  |                    |
| 4) Jacket         | 0.027" Wall, Nom., Teflon(FEP)  | 0.257 (0.268 Max.) |
| a) Tint Color(s)  | Natural Tan, Gray, Black, Yellow, Orange, Blue, Green, Red, White   |                    |
| b) Ripcord        | Para-Aramid fiber(Kevlar, Twaron or equal)  |                    |
| c) Marker Tape    | ALPHA WIRE-*<br>XTRAGUARD 5 XTREME PERFORMANCE FOR XTREME ENVIRONMENTS - 16 AWG SHIELDED 150C (UL) TYPE CMP OR AWM 20229 -- LLXXXXXX CSA TYPE CMP FT6 CE ROHS |                    |

\* = Factory Code

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

**B. Industry Approvals**

- |                                   |  |              |
|-----------------------------------|--|--------------|
| 1) UL                             | CMP  | 150°C        |
|                                   | AWM/STYLE20229   | 150°C / 300V |
| 2) CSA International              | CMP  | 150°C        |
|                                   | FT6  |              |
| 3) 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. |              |
| 4) California Proposition 65:     | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.   |              |
| 5) CE:                            | LVD 73/23/EEC Amendment 93/68/EEC  |              |

**C. Physical & Mechanical Properties**

- |                      |                    |
|----------------------|--------------------|
| 1) Temperature Range | -80 to 200°C       |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 102 Lbs, Maximum   |
- (For Engineering purposes only)

**D. Electrical Properties**

- |                       |   |
|-----------------------|---|
| 1) Voltage Rating     | 300 V <sub>RMS</sub>                            |
| 2) Capacitance        | 30 pf/ft @1 kHz, Nominal Conductor to Conductor |
| 3) Ground Capacitance | 54 pf/ft @1 kHz, Nominal                        |
| 4) Inductance         | 0.15 µH/ft, Nominal                             |
| 5) Conductor DCR      | 4.4 Ω/1000ft @20°C, Nominal                     |
| 6) OA Shield DCR      | 3.4 Ω/1000ft @20°C, Nominal                     |

**E. Other**

- |              |                        |
|--------------|------------------------|
| 1) Packaging | a) Bulk(Made-to-order) |
|--------------|------------------------|

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