

# Customer Specification

## PART NO. 9058

### Construction

|                |       |  |       | Diameters (In) |       |
|----------------|-------|--|-------|----------------|-------|
| 1) Component 1 |       | 1 X 1 COAX   |       |                |       |
| a) Conductor   |       | 20 (SOLID) AWG BC  |       | 0.032          |       |
| b) Insulation  |       | 0.042" Wall, Nom. Polyethylene(PE)   |       | 0.116          |       |
| (1) Color(s)   |       |  |       |                |       |
| Cond           | Color | Cond   | Color | Cond           | Color |
| 1              | CLEAR |  |       |                |       |
| 2) Shield      |       | TC BRAID Shield,80% Coverage, Min.   |       |                |       |
| 3) Jacket      |       | 0.028" Wall, Nom.,Type I PVC   |       | 0.195+/- 0.004 |       |
| a) Color(s)    |       | BLACK  |       |                |       |
| b) Print       |       | ALPHA WIRE-* P/N 9058<br>RG 58/U RU AWM STYLE 1354 CE ROHS<br>* = Factory Code |       |                |       |

### Applicable Specifications

|             |                                     |                            |
|-------------|-------------------------------------|----------------------------|
| 1) UL       | AWM/STYLE 1354                      | 60°C / 30 V <sub>RMS</sub> |
| 2) Military | JAN-C-17A / RG-58/U                 |                            |
| 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             | -20 to 60°C                     |
| 2) Bend Radius                   | 10X Cable Diameter              |
| 3) Pull Tension                  | 11.3 Lbs, Maximum               |
| Electrical Properties            | (For Engineering purposes only) |
| 1) Voltage Rating                | 1400 V <sub>RMS</sub>           |
| 2) Characteristic Impedance      | 53 Ω +/- 2                      |
| 3) Ground Capacitance            | 28.8 pf/ft @1 kHz, Nominal      |
| 4) Velocity of Propagation       | 66 %                            |
| 5) Conductor DCR                 | 10.1 Ω/1000ft @20°C, Nominal    |
| 6) OA Shield DCR                 | 6.3 Ω/1000ft @20°C, Nominal     |
| 7) Voltage Withstanding          | 5 kV, Minimum                   |
| 8) Corona Extinction             | 1.9 kV, Minimum                 |
| 9) Attenuation, Max dB/100ft     | 3.4 @ 50 MHz                    |
|                                  | 11.7 @ 400 MHz                  |
|                                  | 18.7 @ 1 GHz                    |

## Other

| Packaging  | Flange x Traverse x Barrel (inches)         |
|------------|---|
| a) 1000 FT | 12 x 6 x 3.5 Continuous length              |
| b) 500 FT  | 12 x 4.5 x 3.5 Continuous length            |
| c) 100 FT  | 6.5 x 4 x 2.5 Continuous length             |
|            | <i>[Spool dimensions may vary slightly]</i> |

[www.alphawire.com](http://www.alphawire.com)

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