

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9058A
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Issue: 3
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A. Construction

Diameters

- 1) Component 1 1 X 1 COAX
a) Conductor 20 (19/.0071) AWG TC
b) Insulation 0.040" Wall, Nom. Polyethylene(PE) 0.116
(1) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	CLEAR				

- 2) Shield TC BRAID Shield,95% 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 9058A
RG 58A/U ROHS
* = Factory Code

B. Industry Approvals

- 1) Military JAN-C-17A/RG 58A/U TYPE
2) 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.
3) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

C. Physical & Mechanical Properties

- 1) Temperature Range -20 to 60°C
2) Bend Radius 10X Cable Diameter
3) Pull Tension 12.1 Lbs, Maximum

D. Electrical Properties

(For Engineering purposes only)

- 1) Voltage Rating 1400 V_{RMS}
2) Characteristic Impedance 50 Ω +/- 2
3) Ground Capacitance 30.8 pf/ft @1 kHz, Nominal
4) Velocity of Propagation 66 %
5) Conductor DCR 11.9 Ω/1000ft @20°C, Nominal
6) OA Shield DCR 4.5 Ω/1000ft @20°C, Nominal
7) Voltage Withstanding 5 kV, Minimum
8) Corona Extinction 1.9 kV, Minimum
9) Attenuation, Max dB/100ft 4 @ 50 MHz
13.2 @ 400 MHz
28 @ 1 GHz

E. Other

- 1) Packaging
a) 1000 FT
b) BOX 1000FT
c) BOX 500FT
d) 500 FT
e) 100 FT

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