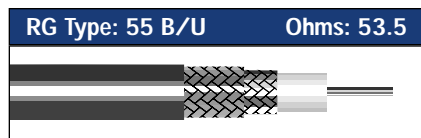


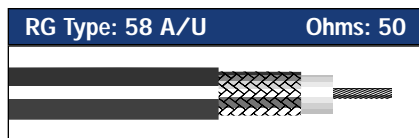
COAXIAL CABLE SYSTEMS

COAXIAL CABLES

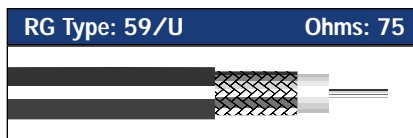
NON-PLENUM



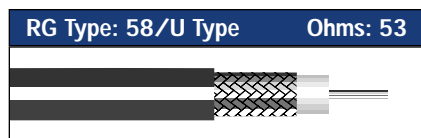
Alpha Part No.: **9055B**



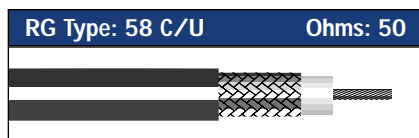
Alpha Part Nos.: **9058AC, 9058A**



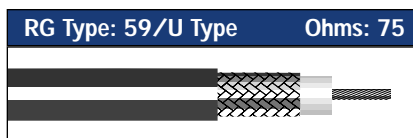
Alpha Part Nos.: **9059C, 9059**



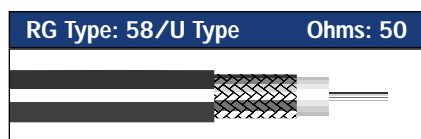
Alpha Part Nos.: **9058X, 9058**



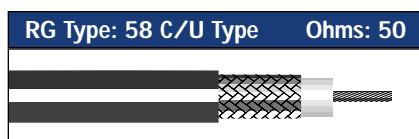
Alpha Part No.: **9058C**



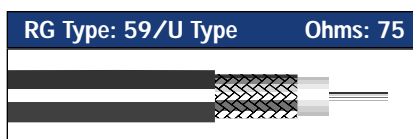
Alpha Part No.: **9803C**



Alpha Part No.: **9848**



Alpha Part No.: **9858**



Alpha Part No.: **9830**

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PRODUCT DESCRIPTION

Alpha Part No. Type	Inner Conductor AWG (mm ²)	Strand (mm)	Mat'l.♦	Dielectric Mat'l.♦	Diameter In. (mm)	Shield Mat'l.♦	Nom. Cov., %	Jacket Mat'l.♦	Diameter In. (mm)	UL Style No.	VP %	Capacitance pF/ft (pF/m)	Specifica- tions
9055B 55 B/U	20 (0,52)	Solid	SC	PE	0.116 (2,95)	Double TC Braid	99	Black PE	0.206 (5,23)	—	66	28.8 (94,5)	—
9058X 58/U	20 (0,52)	Solid	BC	PE	0.116 (2,95)	TC Braid	81	Black V	0.195 (4,95)	1354	66	28.8 (94,5)	UL Standard 13, Type CL2
9058 58/U	20 (0,52)	Solid	BC	PE	0.116 (2,95)	TC Braid	81	Black V	0.195 (4,95)	1354	66	28.8 (94,5)	—
9848 58/U	18 (0,82)	Solid	BC	FPE	0.116 (2,95)	TC Braid	93	Black V	0.195 (4,95)	1354	78	26 (85,3)	—
9058AC 58 A/U	20 (0,48)	19/0.0071 (19 x 0,18)	TC	PE	0.116 (2,95)	TC Braid	95	Black V	0.195 (4,95)	—	66	30.5 (100,0)	UL Standard 13, Type CL2
9058A 58 A/U	20 (0,48)	19/0.0071 (19 x 0,18)	TC	PE	0.116 (2,95)	TC Braid	95	Black V	0.195 (4,95)	—	66	30.5 (100,0)	JAN-C-17A
9058C 58 C/U	20 (0,48)	19/0.0071 (19 x 0,18)	TC	PE	0.116 (2,95)	TC Braid	95	Black NCV	0.195 (4,95)	—	66	30.5 (100,0)	MIL-C-17D Type
9858 58 C/U	20 (0,48)	19/0.0071 (19 x 0,18)	TC	PE	0.116 (2,95)	TC Braid	95	Black V	0.193 (4,90)	1354	66	30.8 (101,5)	UL Standard 13, Type CL2
9059C 59/U	22 (0,32)	Solid	CW	PE	0.146 (3,71)	BC Braid	95	Black, Red, Green, Blue and Gray V	0.242 (6,15)	1354	66	21.4 (70,2)	UL Standard 13, Type CL2
9059 59/U	22 (0,32)	Solid	CW	PE	0.146 (3,71)	BC Braid	95	White, Gray or Black V	0.242 (6,15)	1354	66	21.4 (70,2)	JAN-C-17A
9803C 59/U	22 (0,32)	7/30 (7 x 0,25)	BC	FPE	0.146 (3,71)	BC Braid	95	Black V	0.242 (6,15)	1354	78	17.3 (56,8)	UL Standard 13, Type CL2
9830 59/U	22 (0,32)	Solid	CW	PE	0.146 (3,71)	BC Braid	80	Black V	0.242 (6,15)	1354	66	21.6 (70,8)	—

♦Refer to Materials Abbreviation Guide on Page 283
See pages 284, 285 and the Local Area Network Section for plenum-rated coax.



ATTENUATION LEVELS

■ See Chart on Page 288

AVAILABILITY

■ See Page 287 for available put-ups

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 9058
Page 1 of 1 Pages

Issue: 3
Issue Date: 3/29/2006
Effective Date: 5/1/2006

A. Construction

Diameters

- | | | | |
|----|---------------|------------------------------------|-------|
| 1) | Component 1 | 1 X 1 COAX | |
| | a) Conductor | 20 (SOLID) AWG BC | |
| | 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
RG 58/U RU AWM STYLE 1354 ROHS
* = Factory Code | |

B. Industry Approvals

- | | | | |
|----|--------------------------------|--|------------|
| 1) | UL | AWM/STYLE1354 | 60°C / 30V |
| 2) | Military | JAN-C-17A / RG-58/U | |
| 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. | |

C. Physical & Mechanical Properties

- | | | |
|----|-------------------|--------------------|
| 1) | Temperature Range | -20 to 60°C |
| 2) | Bend Radius | 10X Cable Diameter |
| 3) | Pull Tension | 11.3 Lbs, Maximum |

D. Electrical Properties

(For Engineering purposes only)

- | | | |
|----|---------------------------|--|
| 1) | Voltage Rating | 1400 V _{RMS} |
| 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 |

E. Other

- | | |
|----|------------|
| 1) | Packaging |
| | a) 1000 FT |
| | b) 500 FT |
| | c) 100 FT |

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