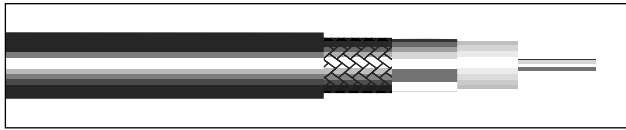


LOCAL AREA NETWORK COAXIAL CABLES

PLENUM



Alpha Part No.	RG Type	Ohms	Rating
9102	59/U Type	75	Plenum
9102-EL	59/U Type	75	Plenum



Alpha Part No.	RG Type	Ohms	Rating
9159	59 B/U Type	75	Plenum

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PRODUCT DESCRIPTION

Alpha Part No.	Description	AWG Stranding Material [♦] DCR Ohms/1000' (/Km)	Core Dielectric Material [♦] Diameter Inches (mm)	Shield & Material [♦] Ohms/1000' (Ohms/Km)	Jacket Material [♦] Nom. O.D. Inches (mm)	Vel. of Prop %	Nominal Capacitance @ 1KHz pF/FT (pF/m)	Nominal Attenuation db/100' (db/100m) @ MHz
9102	RG Type: Type CL2P – 150V / 125°C 59/U Type Ohms: 75 Plenum CSA CMP FT6	20 Solid CW 35.1 (115,0)	Foam FEP 0.146 (3,7)	A/P/A + 95% TC Braid 4.7 (15,4)	Black FP 0.212 (5,4)	82	16.8 (55,1)	0.4 (1,3) @ 1.00 0.8 (2,6) @ 10.0 1.8 (5,9) @ 50.0 2.5 (8,2) @ 100.0 3.9 (12,1) @ 200.0 5.5 (18,0) @ 400.0
9102-EL	RG Type: Type CL2P – 150V / 75°C 59/U Type Ohms: 75 Plenum CSA CMP FT6	20 Solid CW 35.1 (115,0)	Foam FEP 0.146 (3,7)	A/P/A + 95% TC Braid 4.7 (15,4)	PLM-PVC 0.202 (5,1)	82	16.8 (55,1)	0.4 (1,3) @ 1.00 0.8 (2,6) @ 10.0 1.8 (5,9) @ 50.0 2.5 (8,2) @ 100.0 3.9 (12,1) @ 200.0 5.5 (18,0) @ 400.0
9159	RG Type: Type CL2P – 150V / 125°C 59 B/U Type Ohms: 75 Plenum CSA CMP FT6	23 Solid CW 52.5 (172)	FEP 0.130 (3,3)	95% BC Braid 2.6 (8,5)	Black FP 0.188 (4,8)	69	19.6 (64,3)	0.5 (1,6) @ 1.00 0.9 (2,9) @ 10.0 2.2 (7,2) @ 50.0 3.5 (11,5) @ 100.0 5.3 (17,4) @ 200.0 8.3 (27,2) @ 400.0

♦Refer to Materials Abbreviation Guide on Page 254

SPECIFICATIONS



AVAILABILITY

■ See Page 275 for available put-ups



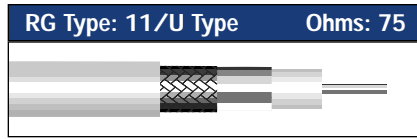
Toll Free: 1-800-52 ALPHA • Telephone: 908-925-8000 • Fax: 908-925-6923
Europe/UK Telephone: +44 (0) 1932 772422 • Europe/UK Fax: +44 (0) 1932 772433

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Email: info@alphawire.com

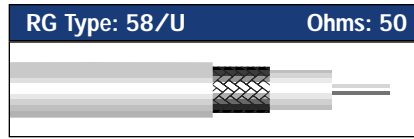
COAXIAL CABLE SYSTEMS

COAXIAL CABLES

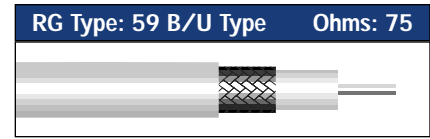
PLENUM RATED
TYPE CL2P



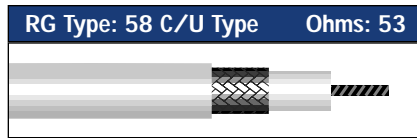
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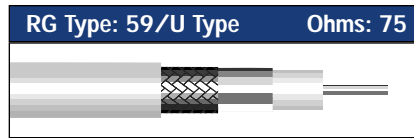
Alpha Part No.: **9158S**



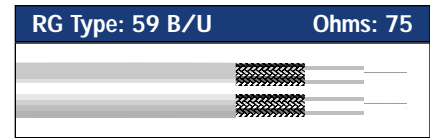
Alpha Part No.: **9159**



Alpha Part No.: **9158**



Alpha Part No.: **9102**
9102-EL



Dual - Alpha Part No.: **9101**

PRODUCT DESCRIPTION

Alpha Part No. Type	Inner Conductor			Dielectric		Shield		Jacket		VP %	Capacitance pF/ft (pF/m)
	AWG (mm ²)	Strand (mm)	Mat'l. ♦	Mat'l. ♦	Diameter In. (mm)	Mat'l. ♦	Nom. Cov., %	Mat'l. ♦	Diameter In. (mm)		
9105 11/U	14	Solid	BC	FFEP	0.285	A/P + TC 95% Braid	100	FP	0.353 (89,0)	82	16.5
9158 58 C/U	20	190.0071	TC	FEP	0.116	TC Braid	95	FP	0.171 (4,3)	70	29.0
9158S 58/U	20	Solid	BC	FEP	0.102	BC Braid	95	FP	0.158 (4,0)	69	29.5
9102 59/U	20	Solid	CW	FFEP	0.146	A/P/A + TC 95% Braid	100	FP	0.212 (5,4)	82	16.5
9102-EL 59/U	20	Solid	CW	FFEP	0.146	A/P/A + TC 95% Braid	100	PLM-PVC	0.212 (5,4)	82	16.5
9159 59 B/U	23	Solid	CW	FEP	0.136	BC Braid	95	FP	0.188 (4,8)	69	19.7
9101 Dual 59 B/U	23	Solid	CW	FEP	0.134	BC Braid	95	FP	0.200 x 0.450 0.180 (4,6) x 0.380 (9,7)	69	19.7

♦Refer to Materials Abbreviation Guide Below

COAXIAL CABLE APPLICATIONS

- Programmable Controllers
- Data Loggers
- Local Net Installations
- Graphic Systems Installations
- CRT (VDU) Installations
- Closed Circuit TV

CHARACTERISTICS

OPERATING TEMPERATURE:

- PLM-PVC - 20°C to 60°C
- FP - 55°C to 125°C
- FEP - 55°C to 150°C

SPECIFICATIONS

- UL Standard 13, Type CL2P



ATTENUATION LEVELS

- See Chart on Page 288

AVAILABILITY

- See Page 287 for available put-ups

♦MATERIAL ABBREVIATION GUIDE

A/P	- Aluminum/Polyester
A/P/A	- Aluminum/Polyester/Aluminum
BC	- Bare Copper
CW	- Copper Coated Steel
FP	- Fluoropolymer
FEP*	- Fluorinated Ethylene Propylene
FFEP	- Foam Fluorinated Ethylene-Propylene
PE	- Polyethylene
PLM-PVC	- Plenum-Rated PVC
PVC	- Polyvinylchloride
SST	- Semi-Solid Teflon®*
TC	- Tinned copper

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