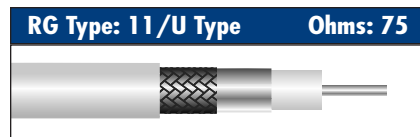


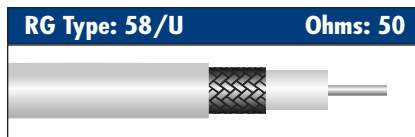
# COAXIAL CABLE SYSTEMS

## COAXIAL CABLES

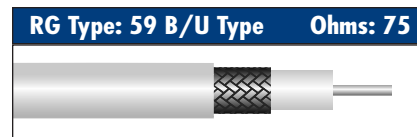
PLENUM RATED  
TYPE CL2P  
RoHS COMPLIANT



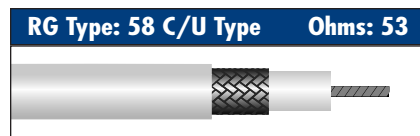
Alpha Part No.: **9105**



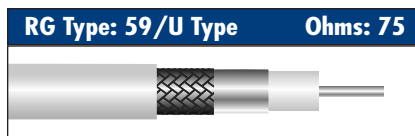
Alpha Part No.: **9158S**



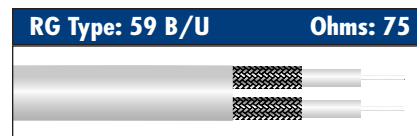
Alpha Part No.: **9159**



Alpha Part No.: **9158**



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



**Dual** – Alpha Part No.: **9101**

## PRODUCT DESCRIPTION

| Alpha Part No. Type     | Inner Conductor<br>AWG (mm <sup>2</sup> ) | Strand (mm) | Mat'l.♦ | Dielectric<br>Mat'l.♦ | Diameter In. (mm) | Shield<br>Mat'l.♦    | Nom. Cov., % | Jacket<br>Mat'l.♦ | Diameter In. (mm)                          | VP % | Capacitance pF/ft (pF/m) |
|-------------------------|-------------------------------------------|-------------|---------|-----------------------|-------------------|----------------------|--------------|-------------------|--------------------------------------------|------|--------------------------|
| <b>9105 11/U</b>        | 14                                        | Solid       | BC      | FFEP                  | 0.285             | A/P + TC 95% Braid   | 100          | FP                | 0.353 (89,0)                               | 82   | 16.5                     |
| <b>9158 58 C/U</b>      | 20                                        | 19/0.0071   | TC      | FEP                   | 0.116             | TC Braid             | 95           | FP                | 0.171 (4,3)                                | 70   | 29.0                     |
| <b>9158S 58/U</b>       | 20                                        | Solid       | BC      | FEP                   | 0.102             | BC Braid             | 95           | FP                | 0.158 (4,0)                                | 69   | 29.5                     |
| <b>9102 59/U</b>        | 20                                        | Solid       | CW      | FFEP                  | 0.146             | A/P/A + TC 95% Braid | 100          | FP                | 0.212 (5,4)                                | 82   | 16.5                     |
| <b>9102-EL 59/U</b>     | 20                                        | Solid       | CW      | FFEP                  | 0.146             | A/P/A + TC 95% Braid | 100          | PLM-PVC           | 0.212 (5,4)                                | 82   | 16.5                     |
| <b>9159 59 B/U</b>      | 23                                        | Solid       | CW      | FEP                   | 0.136             | BC Braid             | 95           | FP                | 0.188 (4,8)                                | 69   | 19.7                     |
| <b>9101 Dual 59 B/U</b> | 23                                        | Solid       | CW      | FEP                   | 0.134             | BC Braid             | 95           | FP                | 0.200 x 0.450<br>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
- RoHS Compliant



## 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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