



## RG-59/U Type CATV/MATV

### Description:

- Copper covered Steele conductor
- Gas Injected Foam Polyethylene insulation
- Dual shield, bonded BiFoil plus Aluminum braid
- Overall 75° PVC Jacket
- Standard Spool Size 1000ft

### Rating as per NEC:

- UL listed NEC type CL2 or CATV as defined in Article 725 and 820
- Constructed in accordance with UL Standard 13
- Complies with UL 1581 Vertical Tray Flame Test
- Temperature range: -20° C to 60° C dry locations

### Applications:

Indoor (non-conduit per NEC) for:

- CATV • MATV

**Jacket Colors:** Black, White



### Construction

|                                |                    |
|--------------------------------|--------------------|
| AWG Size                       | 20                 |
| Stranding                      | CCS                |
| Insulation                     | Foam Polyethylene  |
| Insulation Nom. O.D.           | .142 (3.61mm)      |
| 1st Shield Type and % Coverage | BiFoil* 100%       |
| 2nd Shield Type and % Coverage | Aluminum Braid 67% |
| Jacket Type                    | PVC                |
| Nom. O.D.                      | .242 (6.15 mm)     |

### Electrical Characteristics

(Calculated Quantities)

|  |                     |
|--|---------------------|
| Nominal Capacitance<br>Conductor to Shield | 16.2 pf per foot    |
|  | 53.1 pf per meter   |
| Vel. of Prop.                              | 83%                 |
| Nom. Imp.                                  | 75Ω                 |
| Nom. D.C.R. (Resistance)<br>@ 20° C        | 56.0Ω per 1000 feet |

| Coaxial Cable Loss Factors |           |          |
|----------------------------|-----------|----------|
| Nominal Attenuation        |           |          |
| Mhz                        | db/100 ft | db/100 m |
| 5                          | .85       | 2.79     |
| 55                         | 1.95      | 6.40     |
| 100                        | 2.45      | 8.04     |
| 211                        | 3.68      | 12.07    |
| 270                        | 4.10      | 13.45    |
| 300                        | 4.35      | 14.27    |
| 330                        | 4.62      | 15.15    |
| 400                        | 4.95      | 16.24    |
| 450                        | 5.30      | 17.38    |
| 550                        | 5.75      | 18.86    |
| 750                        | 6.80      | 22.30    |
| 870                        | 7.40      | 24.27    |
| 1000                       | 7.95      | 26.08    |
| 1200                       | 9.20      | 30.18    |
| 2000                       | 11.85     | 38.87    |
| 2200                       | 12.6      | 41.33    |
| 3000                       | 15.05     | 49.36    |

\*BiFoil is an aluminum polyester aluminum tape.

| Connector Type  | Connector Part No. | Crimp Tool | Stripping Tool |
|-----------------|--------------------|------------|----------------|
| "F"             | CN-F56ALM          | TL-111     | TL-120         |
| F Compression   | CN-FSNS-2          | TL-SNSA    | TL-SNSST       |
| 3 Piece BNC     |                    |            |                |
| 75Ω 3 Piece BNC |                    |            |                |

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