

**RG-11/U Type CATV/MATV Coaxial Cable**

**Description:**

- ASTM copper covered steel conductor
- Foam Polyethylene<sup>®</sup> insulation
- Dual shield BiFoil plus aluminum braid
- Flooding Compound- Direct Burial
- Sunlight resistant Polyethylene jacket
- Standard spool size 1000 feet

**Rating as per NEC:**

- Outdoor Rated

**Applications**

Outdoor:

- CATV
- MATV

**Jacket Color:** Black



| <b>Construction</b>                |                             |
|------------------------------------|-----------------------------|
| Conductors                         | 1                           |
| AWG Size                           | 14                          |
| Stranding                          | Copper Covered Steel        |
| Coax Insulation                    | Foam Polyethylene           |
| Coax Insulation<br>Nom. O.D.       | .280 inch<br>(7.11 mm)      |
| First Shield Type<br>& % Coverage  | BiFoil <sup>‡</sup><br>100% |
| Second Shield Type<br>& % Coverage | Aluminum Braid<br>61%       |
| Jacket Type                        | PVC                         |
| Nom. O.D.                          | .405 inch<br>(10.29 mm)     |

<sup>‡</sup>BiFoil is an aluminum polyester aluminum tape with 100% coverage

| <b>Coaxial Cable Loss Factors</b> |                  |                 |
|-----------------------------------|------------------|-----------------|
| <b>Nominal Attenuation</b>        |                  |                 |
| <b>Mhz</b>                        | <b>db/100 ft</b> | <b>db/100 m</b> |
| 5                                 | .25              | .82             |
| 55                                | 1.0              | 3.3             |
| 100                               | 1.5              | 4.9             |
| 400                               | 3.3              | 10.8            |
| 700                               | 4.5              | 14.8            |
| 1000                              | 5.5              | 18.0            |
| 2000                              | 6.0              | 19.7            |
| 3000                              | 7.76             | 25.16           |

| <b>Suggested Cambridge Connectors</b> |                          |                               |                               |
|---------------------------------------|--------------------------|-------------------------------|-------------------------------|
| <b>3 Piece<br/>(BNC)</b>              | <b>2 Piece<br/>(BNC)</b> | <b>1 Piece<br/>(Twist-On)</b> | <b>"F Type"<br/>(1 Piece)</b> |
|                                       | ---                      | ---                           | CN-F11ALX                     |

| <b>Electrical Characteristics</b>          |                      |
|--|----------------------|
| <b>(Calculated Quantities)</b>             |                      |
| Nominal Capacitance<br>Conductor to Shield | 16.2 pf per foot     |
|  | 56 pf per meter      |
| Vel. of Prop.                              | 82%                  |
| Nom. Imp.                                  | 75 Ω                 |
| Nom. D.C.R.<br>(Resistance) @ 20° C        | 11Ω<br>per 1000 feet |

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