

Part Number: 8216 Coax - 50 Ohm Transmission and Computer Cable



**DESCRIPTION:**

RG-174/U Type 50 ohm coax, 26 AWG stranded bare copper-covered steel, polyethylene core, 90% tinned copper braid,

**PHYSICAL CHARACTERISTICS :**

**CONDUCTOR :**

|                             |                                  |
|-----------------------------|----------------------------------|
| Number of Coax:             | 1                                |
| Total Number of Conductors: | 1                                |
| RG Type:                    | 174/U                            |
| AWG:                        | 26                               |
| Stranding:                  | 7x34                             |
| Conductor Diameter:         | .019 in.                         |
| Conductor Material:         | BCCS - Bare Copper Covered Steel |

**INSULATION :**

|                      |                   |
|----------------------|-------------------|
| Insulation Material: | PE - Polyethylene |
| Insulation Diameter: | .060 in.          |

**OUTER SHIELD :**

|                         |                    |
|-------------------------|--------------------|
| Outer Shield Type:      | Braid              |
| Outer Shield Material:  | TC - Tinned Copper |
| Outer Shield %Coverage: | 90 %               |

**OUTER JACKET :**

|                        |                          |
|------------------------|--------------------------|
| Outer Jacket Material: | PVC - Polyvinyl Chloride |
|------------------------|--------------------------|

**OVERALL NOMINAL DIAMETER :**

|                           |          |
|---------------------------|----------|
| Overall Nominal Diameter: | .110 in. |
|---------------------------|----------|

**MECHANICAL CHARACTERISTICS :**

|                                   |                  |
|-----------------------------------|------------------|
| Operating Temperature Range:      | -40° C To +75° C |
| Temperature Rating:               | 60° C            |
| Bulk Cable Weight:                | 8.4 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 21 lbs.          |
| Min. Bend Radius (Install):       | 1 in.            |

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE :**

**APPLICABLE STANDARDS :**

|                    |            |
|--------------------|------------|
| AWM Specification: | Style 1354 |
|--------------------|------------|

**PLENUM/NON-PLENUM :**

|               |   |
|---------------|---|
| Plenum (Y/N): | N |
|---------------|---|

**ELECTRICAL CHARACTERISTICS :**

|                                       |                  |
|---------------------------------------|------------------|
| Nom. Characteristic Impedance:        | 50 $\Omega$      |
| Nom. Inductance:                      | 0.077 $\mu$ H/ft |
| Nom. Capacitance Conductor to Shield: | 30.8 pF/ft       |

Nominal Velocity of Propagation:

66 %

Nominal Delay:

1.54 ns/ft

Nom. Conductor DC Resistance @ 20 Deg. C:

97  $\Omega$ /1000 ft

Nominal Outer Shield DC Resistance:

10.7  $\Omega$ /1000 ft

Nom. Attenuation:

| Description         | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Nom. Attenuation (dB/100 ft.) |
|---------------------|-----------------|-----------------------|----------------------|-------------------------------|
| Nominal Attenuation | 1               |                       |                      | 1.9                           |
|                     | 10              |                       |                      | 3.3                           |
|                     | 50              |                       |                      | 5.8                           |
|                     | 100             |                       |                      | 8.4                           |
|                     | 200             |                       |                      | 12.5                          |
|                     | 400             |                       |                      | 19.0                          |
|                     | 700             |                       |                      | 27.0                          |
|                     | 900             |                       |                      | 31.0                          |
|                     | 1000            |                       |                      | 34.0                          |

Max. Power Rating:

| Description          | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Max. Power Rating (W) |
|----------------------|-----------------|-----------------------|----------------------|-----------------------|
| Maximum Power Rating | 1               |                       |                      | 976                   |
|                      | 10              |                       |                      | 354                   |
|                      | 50              |                       |                      | 197                   |
|                      | 100             |                       |                      | 161                   |
|                      | 200             |                       |                      | 136                   |
|                      | 400             |                       |                      | 120                   |
|                      | 700             |                       |                      | 112                   |
|                      | 900             |                       |                      | 109                   |
|                      | 1000            |                       |                      | 108                   |

Max. Operating Voltage - UL:

30 V RMS

Max. Operating Voltage - Non-UL:

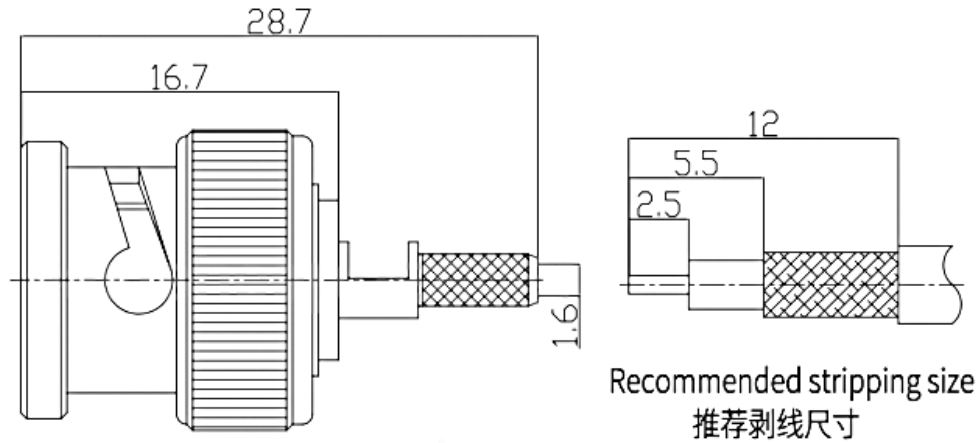
1100 V RMS

**PUT-UPS AND COLORS:**

| Item         | Description    | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|--------------|----------------|--------------|--------------------|--------------|-------|
| 8216 010100  | #26 PE BRD PVC | 100          | 1.1                | BLACK        |       |
| 8216 0101000 | #26 PE BRD PVC | 1000         | 9                  | BLACK        | G N   |
| 8216 010500  | #26 PE BRD PVC | 500          | 5                  | BLACK        |       |

产品型号Model: BNC-C-J-1.5-1

适用电缆Applicable cables: RG316.RG174



注 Note: 尺寸 Dimensions (mm)

### 产品参数 Product parameters

#### 1.电气 Electrical

|     |                                               |            |
|-----|-----------------------------------------------|------------|
| 1.1 | 阻抗 Impedance                                  | 50Ω        |
| 1.2 | 频率范围 Frequency range                          | DC-4GHz    |
| 1.3 | 介质耐压 Dielectric withstanding voltage          | 1500V(rms) |
| 1.4 | 内导体接触电阻 Internal conductor contact resistance | ≤1.5mΩ     |
| 1.5 | 外导体接触电阻 External conductor contact resistance | ≤1mΩ       |
| 1.6 | 绝缘电阻 Insulation resistance                    | ≥5000MΩ    |

#### 2.环境与机械 Environment and Machinery

|     |                        |            |
|-----|------------------------|------------|
| 2.1 | 温度范围 Temperature range | -45°~+125° |
| 2.2 | 耐久性 Durability         | 500cycles  |

#### 3.材料和镀层 Material and Plating

|     |                     |                          |
|-----|---------------------|--------------------------|
| 3.1 | 内导体 Inner conductor | 黄铜镀金 Brass gold plated   |
| 3.2 | 外导体 Outer conductor | 黄铜镀镍 Brass nickel plated |
| 3.3 | 绝缘体 Insulator       | 聚四氟乙烯 PTFE               |



名称：1-1紫铜鱼夹

规格：鱼夹：28mm 护套：31mm

最大开口：4.8mm

材质：紫铜镀铜 厚度：0.35mm

护套：绝缘PVC

耐电流：5A

颜色：红/黑/（黄/绿/蓝/白）



### 产品简绘图纸

