

8216

Part Number: 8216



Product Description

RG-174/U type, 26 AWG stranded (7x34) .019" bare copper-covered steel conductor, polyethylene insulation, tinned copper braid shield (90% coverage), PVC jacket.

Product Specifications

Conductor

Total Number of Conductors:

1

Technical Specifications

APAC Standard

MIl Order #39 (China RoHS):

Yes

Bend Radius

Min Bend Radius/Minor Axis:

1 in

CCB-Sub-Part Number

Plenum (Y/N):

No

Contact Information

PHONE_NUM:

1-800-Belden1

EMEA Standard

EU Directive Compliance:

EU Directive 2003/11/EC (BFR)

Environmental Characteristics

| | |
|-----------------------|----------------|
| Operating Temp Range: | -40°C To +75°C |
|-----------------------|----------------|

EU Directive

| | |
|---------------------------------------|------------|
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |

North American Standard

| | |
|-----------------------------------|---------------|
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| RG Type: | 174/U |
| UL AWM Style: | UL Style 1354 |

Temperature Range

| | |
|-----------------|------|
| UL Temp Rating: | 60°C |
|-----------------|------|

Use

| | |
|----------------------------------|--------|
| Max Recommended Pulling Tension: | 21 lbs |
|----------------------------------|--------|

Impedance:

| Nominal Characteristic Impedance |
|----------------------------------|
| 50 Ohm |

Inductance:

| Nominal Inductance |
|--------------------|
| 0.077 μ H/ft |

Conductor DCR:

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 97 Ohm/1000ft | 10.7 Ohm/1000ft |

Power Rating:

| Frequency [MHz] | Max. Power Rating [W] |
|-----------------|-----------------------|
| 1 MHz | 976 W |
| 10 MHz | 354 W |
| 50 MHz | 197 W |

| | |
|-----------|-------|
| 100 MHz | 161 W |
| 200 MHz | 136 W |
| 400 MHz | 120 W |
| 700 MHz | 112 W |
| 900 MHz | 109 W |
| 1,000 MHz | 108 W |

Delay:

| Nominal Delay | Nominal Velocity of Propagation (VP) |
|---------------|--------------------------------------|
| 1.54 ns/ft | 66 % |

Voltage:

| Non-UL Voltage Rating | UL Voltage Rating |
|-----------------------|-----------------------------|
| 1100V RMS (Military) | 30V RMS (UL AWM Style 1354) |

Capacitance:

| Nominal Capacitance Conductor to Shield |
|---|
| 30.8 pF/ft |

High Frequency (Nominal/Typical):

| Frequency (MHz) | Nom. Insertion Loss |
|-----------------|---------------------|
| 1 MHz | 1.9 db/100ft |
| 10 MHz | 3.3 db/100ft |
| 50 MHz | 5.8 db/100ft |
| 100 MHz | 8.4 db/100ft |
| 200 MHz | 12.5 db/100ft |
| 400 MHz | 19 db/100ft |
| 700 MHz | 27 db/100ft |
| 900 MHz | 31 db/100ft |
| 1000 MHz | 34 db/100ft |

Insulation:

| Material | Nominal Diameter |
|----------|------------------|
|----------|------------------|

| | |
|-------------------|---------|
| PE - Polyethylene | 0.06 in |
|-------------------|---------|

Outerjacket 1:

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.11 in |

Conductor:

| AWG | Stranding | Material | Nominal Diameter | No. of Coax |
|-----|-----------|----------------------------------|------------------|-------------|
| 26 | 7x34 | BCCS - Bare Copper Covered Steel | 0.019 in | 1 |

Outershield 1:

| Type | Material | Coverage |
|-------|--------------------|----------|
| Braid | TC - Tinned Copper | 90 % |

Product Variants

| Part Number | Color | Put-Up Type | Length |
|--------------|-------|-------------|---------|
| 8216 0101000 | BLACK | Reel | 1000 ft |
| 8216 010100 | BLACK | Reel | 100 ft |
| 8216 010500 | BLACK | Reel | 500 ft |

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