



Product: [8281](#)

75 Ohm Analog Video Coax, RG-59, 20 AWG Solid BC, Double 95% TC Braid, PE Jkt

Product Description

75 Ohm Analog Video Coax, RG-59, 20 AWG Solid Bare Copper Conductor , PE Insulation, Double 95% Tinned Copper Braid Shield, PE Jacket

Technical Specifications

Product Overview

| | |
|------------------------|-----------------------|
| Suitable Applications: | Standard analog video |
|------------------------|-----------------------|

Construction Details

| | |
|----------|----|
| RG Type: | 59 |
|----------|----|

Conductor

| AWG | Stranding | Nom. Diameter | Material |
|-----|-----------|---------------|------------------|
| 20 | Solid | 0.031 in | BC - Bare Copper |

Insulation

| Material | Nom. Diameter |
|-------------------|---------------|
| PE - Polyethylene | 0.198 in |

Outer Shield

| Layer | Outer Shield Type | Material | Coverage |
|-------|-------------------|--------------------|----------|
| 1 | Braid | Tinned Copper (TC) | 95% |
| 2 | Braid | Tinned Copper (TC) | 95% |

Outer Jacket

| Material | Nom. Diameter |
|-------------------|---------------|
| PE - Polyethylene | 0.305 in |

Electrical Characteristics

Return Loss (RL)

| Frequency [MHz] | Min. Return Loss [dB] |
|-----------------|-----------------------|
| 5 - 216 MHz | 27 dB |
| 216 - 850 MHz | 23 dB |

Attenuation

| Frequency | Nom. Attenuation [dB/100ft] |
|-----------|-----------------------------|
| 1 MHz | 0.3 dB/100ft |
| 3.6 MHz | 0.5 dB/100ft |
| 10 MHz | 0.8 dB/100ft |
| 71.5 MHz | 2.1 dB/100ft |
| 135 MHz | 3.0 dB/100ft |
| 270 MHz | 4.3 dB/100ft |
| 360 MHz | 5.1 dB/100ft |
| 540 MHz | 6.3 dB/100ft |
| 720 MHz | 7.4 dB/100ft |

| | |
|----------|--------------|
| 750 MHz | 7.6 dB/100ft |
| 1000 MHz | 9.2 dB/100ft |

Electricals

| Nom. Conductor DCR | Nom. Outer Shield DCR | Nom. Capacitance Cond-to-Shield | Nom. Characteristic Impedance | Nom. Velocity |
|--------------------|-----------------------|---------------------------------|-------------------------------|---------------|
| 10.8 Ohm/1000ft | 1.1 Ohm/1000ft | 21 pF/ft | 75 Ohm | 66% |

Voltage

| Voltage Rating |
|----------------|
| 2900 V |

Mechanical Characteristics

Temperature

| Operating |
|----------------|
| -55°C to +75°C |

Bend Radius

| Installation Min. |
|-------------------|
| 3.1 in |

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 69 lbs/1000ft |
| Max. Pull Tension: | 134 lbs |

Standards and Compliance

| | |
|--------------------------------|--|
| Environmental Suitability: | Outdoor - Aerial, Indoor |
| Sustainability: | CA Prop 65 |
| European Directive Compliance: | EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Plenum Number: | 88281 |

History

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| Update and Revision: | Revision Number: 0.330 Revision Date: 10-13-2021 |
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