



Product: [88232](#)

Triax, RG59, 20 AWG Solid BC, Double 95% BC Braids, FEP Jkt, CMP

Product Description

Triax, RG59 20 AWG, Solid Bare Copper Conductor, FEP Insulation, 95% Bare Copper Braid Shield, FEP Insulation, 95% Bare Copper Braid Shield, FEP Jacket, CMP

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Analog Video; Interconnect camera to CCU (camera control unit) |
|------------------------|--|

Construction Details

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

Conductor

| Size | Stranding | Nom. Diameter | Material |
|--------|-----------|---------------|------------------|
| 20 AWG | Solid | 0.034 in | BC - Bare Copper |

Insulation

| Material | Nom. Insulation Diameter |
|---|--------------------------|
| FEP - Fluorinated Ethylene Propylene (Foam) | 0.140 in (3.56 mm) |

Inner Shield

| Layer | Shield Type | Material | Coverage |
|-------|-------------|------------------|----------|
| 1 | Braid | Bare Copper (BC) | 95% |

Inner Jacket

| Material | Nom. Diameter |
|--------------------------------------|--------------------|
| FEP - Fluorinated Ethylene Propylene | 0.188 in (4.78 mm) |

Outer Shield

| Layer | Outer Shield Type | Material | Coverage |
|-------|-------------------|------------------|----------|
| 1 | Braid | Bare Copper (BC) | 95% |

Outer Jacket

| Material | Nom. Diameter |
|--------------------------------------|--------------------|
| FEP - Fluorinated Ethylene Propylene | 0.245 in (6.22 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.245 in (6.22 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Return Loss (RL)

| Frequency | Min. Return Loss |
|----------------|------------------|
| 5 - 850 MHz | 21 dB |
| 850 - 3000 MHz | 15 dB |

Attenuation

| Frequency | Nom. Attenuation |
|-----------|------------------|
| 1 MHz | 0.40 dB/100ft |

| | |
|----------|----------------|
| 3.6 MHz | 0.60 dB/100ft |
| 10 MHz | 0.80 dB/100ft |
| 71.5 MHz | 2.20 dB/100ft |
| 135 MHz | 3.10 dB/100ft |
| 270 MHz | 4.50 dB/100ft |
| 360 MHz | 5.30 dB/100ft |
| 540 MHz | 6.60 dB/100ft |
| 720 MHz | 7.70 dB/100ft |
| 750 MHz | 7.90 dB/100ft |
| 1000 MHz | 9.40 dB/100ft |
| 1500 MHz | 12.10 dB/100ft |
| 2250 MHz | 15.60 dB/100ft |
| 3000 MHz | 18.70 dB/100ft |

Electricals

| Nom. Conductor DCR | Nom. Inner Shield DCR | Nom. Outer Shield DCR | Nom. Capacitance Cond-to-Shield | Nom. Characteristic Impedance | Nom. Velocity of Prop. |
|-------------------------------|-----------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|
| 10.0 Ohm/1000ft (32.8 Ohm/km) | 2.6 Ohm/1000ft (8.5 Ohm/km) | 2.6 Ohm/1000ft (8.5 Ohm/km) | 16.9 pF/ft (55.4 pF/m) | 75 Ohm | 80% |

Voltage

| |
|--------------------------|
| UL Voltage Rating |
| 300 V (CMP) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|-----------------|
| 200°C | -40°C to +200°C |

Bend Radius

| |
|--------------------------|
| Installation Min. |
| 2.5 in |

| | |
|--------------------|-------------------|
| Max. Pull Tension: | 106 lbs (48.1 kg) |
| Bulk Cable Weight: | 58 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor - Plenum, Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | NFPA 262, FT6 |
| NEC / UL Compliance: | CMP |
| CEC / C(UL) Compliance: | CMP |
| European Directive Compliance: | EU CE Mark, 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) |
| Non-Plenum Number: | 8232A |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.323 Revision Date: 12-15-2021 |
|----------------------|--|

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|-------|------------|----------|--------------|
| 88232 010500 | Black | Reel | 500 ft | 612825216902 |
| 88232 0101000 | Black | Reel | 1,000 ft | 612825216889 |

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