



Product: [7732A](#)

75 Ohm SDI Coax, RG-11, 14 AWG Solid BC, Foil + 95% TC Braid, PVDF Jkt, CMP

Product Description

75 Ohm SDI Coax, RG-11, 14 AWG Solid Bare Copper Conductor, FEP Insulation, Foil + 95% Tinned Copper Braid Shield, PVDF Jacket, CMP

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Digital Video, 6 Gb/s UHDTV, HD-SDI 1080p |
|------------------------|---|

Construction Details

| | |
|----------|----|
| RG Type: | 11 |
|----------|----|

Conductor

| Size | Stranding | Nom. Diameter | Material |
|--------|-----------|---------------|------------------|
| 14 AWG | Solid | 0.064 in | BC - Bare Copper |

Insulation

| Material | Nom. Insulation Diameter |
|---|--------------------------|
| FEP - Fluorinated Ethylene Propylene (Foam) | 0.274 in (6.96 mm) |

Outer Shield

| Layer | Outer Shield Type | Material | Material Trade Name | Coverage |
|-------|-------------------|-------------------------------|---------------------|----------|
| 1 | Tape | Tri-Laminate (Alum+Poly+Alum) | Duofoil® | 100% |
| 2 | Braid | Tinned Copper (TC) | | 95% |

Outer Jacket

| Material | Nom. Diameter |
|--------------------------------|--------------------|
| PVDF - Polyvinylidene Fluoride | 0.348 in (8.84 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.348 in (8.84 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Return Loss (RL)

| Frequency | Min. Return Loss |
|-----------------|------------------|
| 5 - 1600 MHz | 23 dB |
| 1600 - 4500 MHz | 21 dB |
| 4500 - 6000 MHz | 15 dB |

Attenuation

| Frequency | Nom. Attenuation |
|-----------|------------------|
| 1 MHz | 0.15 dB/100ft |
| 3.58 MHz | 0.26 dB/100ft |
| 5 MHz | 0.3 dB/100ft |
| 7 MHz | 0.34 dB/100ft |
| 10 MHz | 0.4 dB/100ft |
| 67.5 MHz | 1.2 dB/100ft |
| 71.5 MHz | 1.24 dB/100ft |

| | |
|----------|----------------|
| 88.5 MHz | 1.4 dB/100ft |
| 100 MHz | 1.5 dB/100ft |
| 135 MHz | 1.55 dB/100ft |
| 143 MHz | 1.65 dB/100ft |
| 180 MHz | 1.83 dB/100ft |
| 270 MHz | 2.31 dB/100ft |
| 360 MHz | 2.76 dB/100ft |
| 540 MHz | 3.57 dB/100ft |
| 720 MHz | 4.32 dB/100ft |
| 750 MHz | 4.44 dB/100ft |
| 1000 MHz | 5.42 dB/100ft |
| 1500 MHz | 7.06 dB/100ft |
| 2000 MHz | 8.57 dB/100ft |
| 2500 MHz | 9.93 dB/100ft |
| 3000 MHz | 11.27 dB/100ft |
| 4500 MHz | 14.67 dB/100ft |
| 6000 MHz | 17.86 dB/100ft |

Electricals

| Nom. Conductor DCR | Nom. Outer Shield DCR | Nom. Capacitance Cond-to-Shield | Nom. Characteristic Impedance | Nom. Velocity of Prop. |
|-----------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|
| 2.5 Ohm/1000ft (8.2 Ohm/km) | 1.6 Ohm/1000ft (5.2 Ohm/km) | 16.3 pF/ft (53.5 pF/m) | 75 Ohm | 83% |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|-----------------|
| 125°C | -20°C to +125°C |

Bend Radius

| Installation Min. |
|-------------------|
| 3.5 in |

| | |
|--------------------|-------------------|
| Max. Pull Tension: | 145 lbs (65.8 kg) |
| Bulk Cable Weight: | 83 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor/Outdoor, Indoor, Outdoor, UV Resistance |
| 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: | 7731A |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.372 Revision Date: 12-15-2021 |
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Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|-------------|------------|----------|--------------|
| 7732A 010500 | Black | Reel | 500 ft | 612825188872 |
| 7732A 0101000 | Black | Reel | 1,000 ft | 612825188858 |
| 7732A 0101200 | Black | Reel | 1,200 ft | 612825438250 |
| 7732A 0103000 | Black | Reel | 3,000 ft | 612825188865 |
| 7732A 0061000 | Blue, Light | Reel | 1,000 ft | 612825188841 |
| 7732A 877500 | Natural | Reel | 500 ft | 612825188896 |
| 7732A 8771000 | Natural | Reel | 1,000 ft | 612825188889 |
| 7732A 0041000 | Yellow | Reel | 1,000 ft | 612825188834 |

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