



Product: [1152A](#)

Broadband Coax, Series 6, 18 AWG Solid BCCS, Quad Shield, FEP Jkt, CMP

Product Description

Broadband Coax, Series 6, 18 AWG Solid Bare Copper Covered Steel Conductor, FEP Insulation, Foil + 60% Tinned Copper Braid + Foil + 40% Tinned Copper Braid Shield, FEP Jacket, CMP

Technical Specifications

Product Overview

| | |
|------------------------|--------------------------------------------------------------------------------|
| Suitable Applications: | Broadband, Cable Television (CATV), RF drop cable, Over-The-Air (OTA) antennas |
|------------------------|--------------------------------------------------------------------------------|

Construction Details

| | |
|--------------|---|
| Series Type: | 6 |
|--------------|---|

Conductor

| AWG | Stranding | Nom. Diameter | Material |
|-----|-----------|---------------|----------------------------------|
| 18 | Solid | 0.040 in | BCCS - Bare Copper Covered Steel |

Insulation

| Material | Nom. Diameter |
|---------------------------------------------|---------------|
| FEP - Fluorinated Ethylene Propylene (Foam) | 0.170 in |

Outer Shield Material

| Layer | Outer Shield Type | Material | Material Trade Name | Coverage |
|-------|-------------------|-------------------------------|---------------------|----------|
| 1 | Tape | Tri-Laminate (Alum+Poly+Alum) | Duobond® II | 100% |
| 2 | Braid | Tinned Copper (TC) | | 60% |
| 3 | Tape | Tri-Laminate (Alum+Poly+Alum) | Duofoil® | 100% |
| 4 | Braid | Tinned Copper (TC) | | 40% |

Outer Jacket Material

| Material | Nom. Diameter |
|--------------------------------------|---------------|
| FEP - Fluorinated Ethylene Propylene | 0.273 in |

Electrical Characteristics

Return Loss (RL)

| Frequency [MHz] | Min. Structural Return Loss [dB] |
|-----------------|----------------------------------|
| 5 - 400 MHz | 20 dB |

Attenuation

| Frequency | Nom. Attenuation [dB/100ft] |
|-----------|-----------------------------|
| 1 MHz | 0.3 dB/100ft |
| 10 MHz | 0.66 dB/100ft |
| 50 MHz | 1.6 dB/100ft |
| 100 MHz | 2.2 dB/100ft |
| 200 MHz | 3.0 dB/100ft |
| 400 MHz | 4.6 dB/100ft |
| 700 MHz | 6.6 dB/100ft |

| | |
|----------|--------------|
| 900 MHz | 7.7 dB/100ft |
| 1000 MHz | 8.2 dB/100ft |

Electricals

| Nom. Conductor DCR | Nom. Outer Shield DCR | Nom. Capacitance Cond-to-Shield | Nom. Impedence | Nom. Velocity |
|--------------------|-----------------------|---------------------------------|----------------|---------------|
| 28 Ohm/1000ft | 1.8 Ohm/1000ft | 16.5 pF/ft | 75 Ohm | 82% |

Voltage

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

Mechanical Characteristics

Temperature

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|------------------|
| Operating |
| -70°C to +200°C |

Bend Radius

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|--------------------------|
| Installation Min. |
| 2.7 in |

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 45 lbs/1000ft |
| Max. Pull Tension: | 192 lbs |

Standards and Compliance

| | |
|---------------------------------|---------------------------------------------------------------------------------------------------------|
| Environmental Suitability: | Indoor - Plenum, Indoor, Outdoor, Burial |
| Sustainability: | CA Prop 65 |
| Flammability / Fire Resistance: | NFPA 262 |
| NEC / UL Compliance: | CMP |
| CEC / C(UL) Compliance: | CMP |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Other Standard Compliance(s): | ANSI/SCTE 74 |

Product Notes

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| Notes: | For use in indoor plenum environments but also suitable for outdoor and underground applications. |
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History

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| Update and Revision: | Revision Number: 0.342 Revision Date: 09-30-2020 |
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