



**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

|          |   |
|----------|---|
| RG Type: | 6 |
|----------|---|

Conductor

| Element  | Size   | Stranding | Nom. Diameter | Material                         |
|----------|--------|-----------|---------------|----------------------------------|
| Coax(es) | 18 AWG | Solid     | 0.040 in      | BCCS - Bare Copper Covered Steel |

Insulation

| Material                                    | Nom. Insulation Diameter | Color Code |
|---|--------------------------|------------|
| FEP - Fluorinated Ethylene Propylene (Foam) | 0.170 in (4.32 mm)       | White      |

Outer Shield

| 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)            |                     | 45%      |

Outer Jacket

| Material                             | Nom. Diameter      |
|--------------------------------------|--------------------|
| FEP - Fluorinated Ethylene Propylene | 0.273 in (6.93 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.273 in (6.93 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Return Loss (RL)

| Frequency    | Min. Structural Return Loss |
|--------------|-----------------------------|
| 10 - 400 MHz | 20 dB                       |

Attenuation

| Frequency | Nom. Attenuation |
|-----------|------------------|
| 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. Characteristic Impedance | Nom. Velocity of Prop. |
|---------------------------|-----------------------------|---------------------------------|-------------------------------|------------------------|
| 28 Ohm/1000ft (92 Ohm/km) | 1.8 Ohm/1000ft (5.9 Ohm/km) | 16.5 pF/ft (54.1 pF/m)          | 75 Ohm                        | 82%                    |

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 2.75 in (69.9 mm) | 2.75 in (69.9 mm) |

|                    |                   |
|--------------------|-------------------|
| Max. Pull Tension: | 192 lbs (87.1 kg) |
| Bulk Cable Weight: | 45 lbs/1000ft     |

Standards and Compliance

|                                  |  |
|----------------------------------|--|
| Environmental Suitability:       | Indoor - Plenum, Indoor, Outdoor, Aerial - When supported by messenger wire, Burial  |
| Sustainability:                  | CA Prop 65   |
| Flammability / Reaction to Fire: | NFPA 262, FT6  |
| CPR Compliance:                  | CPR Euroclass: Eca   |
| NEC / UL Compliance:             | Article 800, 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) |
| UK Regulation Compliance:        | UKCA Mark  |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)  |
| Other Standard Compliance(s):    | ANSI/SCTE 74   |

Product Notes

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

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.465 Revision Date: 02-03-2025 |
|----------------------|--|

Part Numbers

Variants

| Item #        | Color       | Putup Type | Length   | UPC          | Footnote |
|---------------|-------------|------------|----------|--------------|----------|
| 1152A A8R500  | Beige, Snow | Reel       | 500 ft   | 612825107491 | C        |
| 1152A A8R1000 | Beige, Snow | Reel       | 1,000 ft | 612825107484 | C        |

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