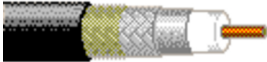




Product: [1532A](#)

CATV Video, RG6, 18 AWG BCCS, Foil + Braid, Waterblocked, PVC Jacket



Product Description

CATV, Series 6, 18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II, aluminum braid shield (90% coverage), Waterblocked Coreguard®, polyethylene jacket.

Technical Specifications

Physical Characteristics (Overall)

| Conductor        |           |                                  |                  |             |
|------------------|-----------|----------------------------------|------------------|-------------|
| AWG              | Stranding | Material                         | Nominal Diameter | No. of Coax |
| 18               | Solid     | BCCS - Bare Copper Covered Steel | 0.04 in          | 1           |
| Conductor Count: |           |                                  | 1                |             |

| Insulation                |                  |
|---------------------------|------------------|
| Material                  | Nominal Diameter |
| PE - Polyethylene (Foam)  | 0.18 in          |
| Table Notes: Gas Injected |                  |

| Outer Shield |       |                               |                     |              |
|--------------|-------|-------------------------------|---------------------|--------------|
| Type         | Layer | Material                      | Material Trade Name | Coverage [%] |
| Tape         | 1     | Tri-Laminate (Alum+Poly+Alum) | Duofoil®            | 100%         |
| Braid        | 2     | Aluminum                      |                     | 90%          |
| Table Notes: |       |                               | Coreguard®          |              |

| Outer Jacket      |                  |
|-------------------|------------------|
| Material          | Nominal Diameter |
| PE - Polyethylene | 0.27 in          |

Electrical Characteristics

| Conductor DCR         |                          |                     |
|-----------------------|--------------------------|---------------------|
| Nominal Conductor DCR | Nominal Outer Shield DCR | Outer Conductor DCR |
| 28 Ohm/1000ft         | 5 Ohm/1000ft             | 5 Ohm/1000ft        |

| Capacitance                          |  |
|--------------------------------------|--|
| Nom. Capacitance Conductor to Shield |  |
| 16.2 pF/ft                           |  |

| Inductance         |  |
|--------------------|--|
| Nominal Inductance |  |
| 0.097 µH/ft        |  |

| Impedance                        |  |
|----------------------------------|--|
| Nominal Characteristic Impedance |  |
| 75 Ohm                           |  |

Return Loss (RL)

| Frequency [MHz] | Min. Structural Return Loss (SRL) |
|-----------------|-----------------------------------|
| 5 - 1000 MHz    | 20 dB                             |

Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|------------------------------------------|
| 1.2 ns/ft     | 83%                                      |

High Frequency

| Frequency [MHz] | Max. Insertion Loss (Attenuation) |
|-----------------|-----------------------------------|
| 5 MHz           | 0.58 dB/100ft                     |
| 55 MHz          | 1.60 dB/100ft                     |
| 211 MHz         | 3.05 dB/100ft                     |
| 270 MHz         | 3.37 dB/100ft                     |
| 300 MHz         | 3.55 dB/100ft                     |
| 350 MHz         | 3.85 dB/100ft                     |
| 400 MHz         | 4.15 dB/100ft                     |
| 450 MHz         | 4.40 dB/100ft                     |
| 550 MHz         | 4.90 dB/100ft                     |
| 750 MHz         | 5.65 dB/100ft                     |
| 870 MHz         | 6.11 dB/100ft                     |
| 1000 MHz        | 6.55 dB/100ft                     |

Voltage

| Non-UL Voltage Rating |
|-----------------------|
| 350 V RMS             |

Temperature Range

|                              |                |
|------------------------------|----------------|
| UL Temp Rating:              | 80°C           |
| Operating Temperature Range: | -55°C To +80°C |

Mechanical Characteristics

|                              |               |
|------------------------------|---------------|
| Bulk Cable Weight:           | 24 lbs/1000ft |
| Max. Pull Tension:           | 162 lbs       |
| Min. Bend Radius/Minor Axis: | 3 in          |

Standards

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

Applicable Environmental and Other Programs

|                                              |                               |
|----------------------------------------------|-------------------------------|
| Environmental Space:                         | Outdoor - Water Exposure      |
| EU Directive 2000/53/EC (ELV):               | Yes                           |
| EU Directive 2003/96/EC (BFR):               | Yes                           |
| EU Directive 2011/65/EU (RoHS 2):            | Yes                           |
| EU Directive 2012/19/EU (WEEE):              | Yes                           |
| EU Directive 2015/863/EU (RoHS 2 amendment): | Yes                           |
| EU Directive Compliance:                     | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                                  | No                            |
| MII Order #39 (China RoHS):                  | Yes                           |

Suitability

|                        |     |
|------------------------|-----|
| Suitability - Burial:  | Yes |
| Suitability - Indoor:  | Yes |
| Suitability - Outdoor: | Yes |

Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Related Part Numbers

Variants

| Item #        | Color  | Put-Up Type | Length   | UPC          |
|---------------|--------|-------------|----------|--------------|
| 1532A 0101000 | Black  | Reel        | 1,000 ft | 612825316558 |
| 1532A 0031000 | Orange | Reel        | 1,000 ft | 612825117278 |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.390 Revision Date: 04-29-2024 |
|----------------------|--------------------------------------------------|

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