

# Broadband Coax

## CATV Cables

### Series 59

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor<br>(stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding<br>Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp.<br>(Ω) | Nom. Vel.<br>of Prop. | Nominal Capacitance |      | Nominal Attenuation |                |             |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--|-----------------|----|------------------------------------|------------|----|------------------|-----------------------|---------------------|------|---------------------|----------------|-------------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |  | Inch            | mm |                                    | Inch       | mm |                  |                       | pF/Ft.              | pF/m | MHz                 | dB/<br>100 Ft. | dB/<br>100m |

**Series 59 • 20 AWG Solid .032" Bare Copper-covered Steel Conductor • Duobond® + Aluminum Braid(s) Shield (67% Coverage)**

#### Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

|      |             |                               |  |                  |              |              |   |      |      |   |      |      |    |     |      |      |                           |  |  |
|------|-------------|-------------------------------|--|------------------|--------------|--------------|---|------|------|---|------|------|----|-----|------|------|---------------------------|--|--|
| 80°C | <b>9104</b> | NEC:<br>CATV CM<br>CEC:<br>CM | U-1000 <sup>▲</sup><br>1000 <sup>▲</sup> | U-304.8<br>304.8 | 24.0<br>24.0 | 10.9<br>10.9 | 20 AWG<br>(solid)<br>.032"<br>BCCS<br>44.5Ω/M'<br>146.0Ω/km | .144 | 3.66 | Duobond II*<br>+ 67%<br>Aluminum<br>Braid<br>12.0Ω/M'<br>39.4Ω/km | .237 | 6.02 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
|------|-------------|-------------------------------|--|------------------|--------------|--------------|---|------|------|---|------|------|----|-----|------|------|---------------------------|--|--|

<sup>▲</sup>U-1000 ft. put-ups also available in Beige and White.  
<sup>▲</sup>1000 ft. put-up available in Black only.

|      |              |   |                   |       |      |      |   |      |      |   |      |      |    |     |      |      |                           |  |  |
|------|--------------|---|-------------------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|---------------------------|--|--|
| 80°C | <b>9104N</b> | — | 1000 <sup>*</sup> | 304.8 | 24.0 | 10.9 | 20 AWG<br>(solid)<br>.032"<br>BCCS<br>44.5Ω/M'<br>146.0Ω/km | .144 | 3.66 | Duobond II*<br>+ 67%<br>Aluminum<br>Braid<br>12.0Ω/M'<br>39.4Ω/km | .237 | 6.02 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
|------|--------------|---|-------------------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|---------------------------|--|--|

<sup>\*</sup>1000 ft. put-up also available in White.

#### Plenum • Foam FEP Teflon® Insulation • Natural Flamarrest® Jacket

|      |              |                                 |                   |       |      |      |   |      |      |   |      |      |    |     |      |      |  |   |  |                              |  |
|------|--------------|---------------------------------|-------------------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|--|---|--|------------------------------|--|
| 75°C | <b>9104P</b> | NEC:<br>CATV CMP<br>CEC:<br>CMP | 1000 <sup>†</sup> | 304.8 | 24.0 | 10.9 | 20 AWG<br>(solid)<br>.032"<br>BCCS<br>44.5Ω/M'<br>146.0Ω/km | .140 | 3.56 | Duobond II*<br>+ 67%<br>Aluminum<br>Braid<br>12.0Ω/M'<br>39.4Ω/km | .203 | 5.16 | 75 | 83% | 16.3 | 53.5 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .4<br>.8<br>1.8<br>2.6<br>3.8<br>5.6<br>7.6<br>8.8<br>9.4 | 1.3<br>2.6<br>5.9<br>8.5<br>12.5<br>18.4<br>24.9<br>28.9<br>30.8 | Sweep tested 5 MHz to 1 GHz. |  |
|------|--------------|---------------------------------|-------------------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|--|---|--|------------------------------|--|

#### Gas-injected Foam High-Density Polyethylene Insulation • Black PVC Jacket

|                |                            |  |      |       |      |      |   |      |      |   |                   |                   |    |     |      |      |                           |  |  |
|----------------|----------------------------|--|------|-------|------|------|---|------|------|---|-------------------|-------------------|----|-----|------|------|---------------------------|--|--|
| Aerial<br>80°C | <b>9105M</b><br><b>new</b> |  | 1000 | 304.8 | 38.0 | 17.3 | 20 AWG<br>(solid)<br>.032"<br>BCCS<br>44.5Ω/M'<br>146.0Ω/km | .144 | 3.66 | Duobond II*<br>+ 67%<br>Aluminum<br>Braid<br>12.0Ω/M'<br>39.4Ω/km | .240<br>x<br>.387 | 6.10<br>x<br>9.83 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
|----------------|----------------------------|--|------|-------|------|------|---|------|------|---|-------------------|-------------------|----|-----|------|------|---------------------------|--|--|

|      |             |                               |                     |         |      |      |   |      |      |  |      |      |    |     |      |      |                           |  |  |
|------|-------------|-------------------------------|---------------------|---------|------|------|---|------|------|--|------|------|----|-----|------|------|---------------------------|--|--|
| 80°C | <b>9110</b> | NEC:<br>CATV CM<br>CEC:<br>CM | U-1000 <sup>▲</sup> | U-304.8 | 24.0 | 10.9 | 20 AWG<br>(solid)<br>.032"<br>BCCS<br>44.5Ω/M'<br>146.0Ω/km | .144 | 3.66 | Duobond III*<br>+ 67%<br>Aluminum<br>Braid<br>12.0Ω/M'<br>39.4Ω/km | .242 | 6.15 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
|------|-------------|-------------------------------|---------------------|---------|------|------|---|------|------|--|------|------|----|-----|------|------|---------------------------|--|--|

<sup>▲</sup>U-1000 ft. put-up available in White only.

|      |              |                               |      |       |      |      |   |      |      |   |      |      |    |     |      |      |                           |  |  |
|------|--------------|-------------------------------|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|---------------------------|--|--|
| 80°C | <b>1186A</b> | NEC:<br>CATV CM<br>CEC:<br>CM | 1000 | 304.8 | 27.0 | 12.3 | 20 AWG<br>(solid)<br>.032"<br>BCCS<br>44.5Ω/M'<br>146.0Ω/km | .144 | 3.66 | Duobond IV*<br>+ 67% & 46%<br>Aluminum<br>Braids<br>7.0Ω/M'<br>23.0Ω/km | .265 | 6.73 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
|------|--------------|-------------------------------|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|---------------------------|--|--|

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

Duobond III = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage).

Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid(67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

<sup>†</sup>Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

Teflon is a DuPont trademark.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

# Broadband Coax

## CATV Cables

### Series 59

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 59 • 20 AWG Solid .032" Bare Copper-covered Steel Conductor • Duofoil® (100% Coverage) + TC Braid Shield(s) (96% Coverage)**

**Plenum • Foam FEP Teflon® Insulation • Black FEP Jacket**

|  |       |              |       |                   |       |      |      |          |      |      |          |      |      |                                |     |      |      |      |     |      |      |
|--|-------|--------------|-------|-------------------|-------|------|------|----------|------|------|----------|------|------|--------------------------------|-----|------|------|------|-----|------|------|
|  | 200°C | <b>89108</b> | NEC:  | 500 <sup>†</sup>  | 152.4 | 17.0 | 7.7  | 20 AWG   | .140 | 3.56 | Duofoil  | .203 | 5.16 | 75                             | 82% | 16.5 | 54.1 | 10   | .7  | 2.3  |      |
|  |       |              | CATVP | 1000 <sup>†</sup> | 304.8 | 34.0 | 15.4 | (solid)  |      |      | + 96%    |      |      |                                |     |      |      |      | 50  | 1.8  | 5.9  |
|  |       |              | CMP   |                   |       |      |      | .032"    |      |      | TC Braid |      |      |                                |     |      |      |      | 100 | 2.6  | 8.5  |
|  |       |              | CEC:  |                   |       |      |      | BCCS     |      |      | 2.6Ω/M'  |      |      |                                |     |      |      |      | 200 | 3.7  | 12.1 |
|  |       |              | CMP   |                   |       |      |      | 26.0Ω/M' |      |      | 8.5Ω/km  |      |      | Sweep tested 5 MHz to 400 MHz. |     |      |      |      | 400 | 5.4  | 17.7 |
|  |       |              |       |                   |       |      |      | 85.3Ω/km |      |      |          |      |      |                                |     |      |      |      | 700 | 7.3  | 24.0 |
|  |       |              |       |                   |       |      |      |          |      |      |          |      |      |                                |     |      |      |      | 900 | 8.4  | 27.6 |
|  |       |              |       |                   |       |      |      |          |      |      |          |      |      |                                |     |      |      | 1000 | 8.9 | 29.2 |      |

**Plenum • Foam FEP Teflon Insulation • Natural Flamarrest® Jacket**

|  |      |              |          |                     |         |      |      |          |      |      |          |      |      |                                |     |      |      |      |     |      |      |
|--|------|--------------|----------|---------------------|---------|------|------|----------|------|------|----------|------|------|--------------------------------|-----|------|------|------|-----|------|------|
|  | 75°C | <b>82108</b> | NEC:     | U-1000 <sup>†</sup> | U-304.8 | 34.0 | 15.4 | 20 AWG   | .140 | 3.56 | Duofoil  | .202 | 5.13 | 75                             | 82% | 16.5 | 54.1 | 10   | .8  | 2.6  |      |
|  |      |              | CATVP    | 1000 <sup>†</sup>   | 304.8   | 32.0 | 14.5 | (solid)  |      |      | + 96%    |      |      |                                |     |      |      |      | 50  | 1.8  | 5.9  |
|  |      |              | CMP      |                     |         |      |      | .032"    |      |      | TC Braid |      |      |                                |     |      |      |      | 100 | 2.6  | 8.5  |
|  |      |              | CEC:     |                     |         |      |      | BCCS     |      |      | 2.6Ω/M'  |      |      |                                |     |      |      |      | 200 | 3.7  | 12.1 |
|  |      |              | CMP FT6, |                     |         |      |      | 26.0Ω/M' |      |      | 8.5Ω/km  |      |      | Sweep tested 5 MHz to 400 MHz. |     |      |      |      | 400 | 5.4  | 17.7 |
|  |      |              | CXC FT4  |                     |         |      |      | 85.3Ω/km |      |      |          |      |      |                                |     |      |      |      | 700 | 7.3  | 24.0 |
|  |      |              |          |                     |         |      |      |          |      |      |          |      |      |                                |     |      |      |      | 900 | 8.4  | 27.6 |
|  |      |              |          |                     |         |      |      |          |      |      |          |      |      |                                |     |      |      | 1000 | 8.9 | 29.2 |      |

**Plenum • Foam FEP Teflon Insulation • Snow Beige FEP Jacket**

|  |       |              |         |                   |       |      |      |          |      |      |             |      |      |                                |     |      |      |      |     |      |      |
|--|-------|--------------|---------|-------------------|-------|------|------|----------|------|------|-------------|------|------|--------------------------------|-----|------|------|------|-----|------|------|
|  | 200°C | <b>1151A</b> | NEC:    | 1000 <sup>†</sup> | 304.8 | 40.0 | 18.2 | 20 AWG   | .140 | 3.56 | (2) Duofoil | .236 | 5.99 | 75                             | 84% | 16.5 | 54.1 | 10   | .8  | 2.6  |      |
|  |       |              | CMP     |                   |       |      |      | (solid)  |      |      | Shields     |      |      |                                |     |      |      |      | 50  | 1.8  | 5.9  |
|  |       |              | CEC:    |                   |       |      |      | .032"    |      |      | + (2) TC    |      |      |                                |     |      |      |      | 100 | 2.6  | 8.5  |
|  |       |              | CMP FT6 |                   |       |      |      | BCCS     |      |      | Braids      |      |      |                                |     |      |      |      | 200 | 3.7  | 12.1 |
|  |       |              |         |                   |       |      |      | 26.0Ω/M' |      |      | 2.3Ω/M'     |      |      | Sweep tested 5 MHz to 400 MHz. |     |      |      |      | 400 | 5.4  | 17.7 |
|  |       |              |         |                   |       |      |      | 85.3Ω/km |      |      | 7.5Ω/km     |      |      |                                |     |      |      |      | 700 | 7.3  | 24.0 |
|  |       |              |         |                   |       |      |      |          |      |      |             |      |      |                                |     |      |      |      | 900 | 8.4  | 27.6 |
|  |       |              |         |                   |       |      |      |          |      |      |             |      |      |                                |     |      |      | 1000 | 8.9 | 29.2 |      |

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

<sup>†</sup>Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

Teflon is a DuPont trademark.



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# Broadband Coax


## CATV Cables

### Series 6


| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                        | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® II + Aluminum Braid Shield (60% Coverage)**


**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**


|  |             |   |      |       |      |      |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |
|--|-------------|---|------|-------|------|------|----------------|----------|----------|----------------------------------|----------|------|----|-----|------|------|------------------------|--|--|
| <br>Burial 80°C<br>CoreGuard® | <b>9066</b> | — | 1000 | 304.8 | 26.0 | 11.8 | 18 AWG (solid) | .180     | 4.57     | Duobond II* + 60% Aluminum Braid | .270     | 6.86 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|  |             |   |      |       |      |      | .040"          | 28.0Ω/M' | 91.9Ω/km | 9.0Ω/M'                          | 29.5Ω/km |      |    |     |      |      |                        |  |  |

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**


|   |             |                          |         |      |      |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |
|---|-------------|--------------------------|---------|------|------|----------------|----------|----------|----------------------------------|----------|------|----|-----|------|------|------------------------|--|--|
| <br>80°C | <b>9116</b> | NEC: U-500 <sup>▲</sup>  | U-152.4 | 15.0 | 6.8  | 18 AWG (solid) | .180     | 4.57     | Duobond II* + 60% Aluminum Braid | .270     | 6.86 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|   |             | CATV: 500 <sup>▲</sup>   | U-152.4 | 16.0 | 7.3  | .040"          | 28.0Ω/M' | 91.9Ω/km | 9.0Ω/M'                          | 29.5Ω/km |      |    |     |      |      |                        |  |  |
|   |             | CM: S-700                | U-213.4 | 18.2 | 8.3  |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |
|   |             | CEC: U-1000 <sup>♦</sup> | U-304.8 | 30.0 | 13.6 | BCCS           |          |          |                                  |          |      |    |     |      |      |                        |  |  |
|   |             | CM: 1000 <sup>♦</sup>    | U-304.8 | 31.0 | 14.1 | 28.0Ω/M'       |          |          |                                  |          |      |    |     |      |      |                        |  |  |

\*500 ft. and U-500 ft. put-ups also available in White.  
 \*U-1000 ft. put-up also available in White, Neutral or Beige.  
 \*1000 ft. put-up also available in White or Neutral.

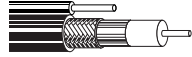
|   |              |              |         |      |      |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |
|---|--------------|--------------|---------|------|------|----------------|----------|----------|----------------------------------|----------|------|----|-----|------|------|------------------------|--|--|
| <br>80°C | <b>9116R</b> | NEC: U-1000  | U-304.8 | 33.0 | 15.0 | 18 AWG (solid) | .180     | 4.57     | Duobond II* + 60% Aluminum Braid | .270     | 6.86 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|   |              | CATVR: 1000  | U-304.8 | 34.0 | 15.4 | .040"          | 28.0Ω/M' | 91.9Ω/km | 9.0Ω/M'                          | 29.5Ω/km |      |    |     |      |      |                        |  |  |
|   |              | CMG: CMG FT4 |         |      |      |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |

|  |              |                         |         |      |     |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |
|--|--------------|-------------------------|---------|------|-----|----------------|----------|----------|----------------------------------|----------|------|----|-----|------|------|------------------------|--|--|
| <br>80°C<br>CoreGuard® | <b>1545A</b> | NEC: U-500 <sup>▲</sup> | U-152.4 | 15.0 | 6.8 | 18 AWG (solid) | .180     | 4.57     | Duobond II* + 60% Aluminum Braid | .270     | 6.86 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|  |              | CATV: 500 <sup>▲</sup>  | U-152.4 | 16.0 | 7.3 | .040"          | 28.0Ω/M' | 91.9Ω/km | 9.0Ω/M'                          | 29.5Ω/km |      |    |     |      |      |                        |  |  |
|  |              | CM: CM                  |         |      |     |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |
|  |              | CEC: CM                 |         |      |     |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |

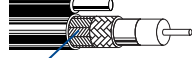
Sweep tested 5 MHz to 1 GHz.

|   |             |                         |         |      |     |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |
|---|-------------|-------------------------|---------|------|-----|----------------|----------|----------|----------------------------------|----------|------|----|-----|------|------|------------------------|--|--|
| <br>80°C | <b>9077</b> | NEC: U-500 <sup>▲</sup> | U-152.4 | 15.0 | 6.8 | 18 AWG (solid) | .180     | 4.57     | Duobond II* + 60% Aluminum Braid | .270     | 6.86 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|   |             | CATV: 500 <sup>▲</sup>  | U-152.4 | 16.0 | 7.3 | .040"          | 28.0Ω/M' | 91.9Ω/km | 9.0Ω/M'                          | 29.5Ω/km |      |    |     |      |      |                        |  |  |
|   |             | CM: CM                  |         |      |     |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |
|   |             | CEC: CM                 |         |      |     |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |

Sweep tested 5 MHz to 1 GHz.

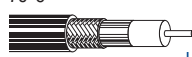
|   |              |                         |         |      |     |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |
|---|--------------|-------------------------|---------|------|-----|----------------|----------|----------|----------------------------------|----------|------|----|-----|------|------|------------------------|--|--|
| <br>80°C | <b>9117M</b> | NEC: U-500 <sup>▲</sup> | U-152.4 | 15.0 | 6.8 | 18 AWG (solid) | .180     | 4.57     | Duobond II* + 60% Aluminum Braid | .270     | 6.86 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|   |              | CATV: 500 <sup>▲</sup>  | U-152.4 | 16.0 | 7.3 | .040"          | 28.0Ω/M' | 91.9Ω/km | 9.0Ω/M'                          | 29.5Ω/km |      |    |     |      |      |                        |  |  |
|   |              | CM: CM                  |         |      |     |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |
|   |              | CEC: CM                 |         |      |     |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |

.051" (1.3mm) galvanized steel messenger.

|   |               |                         |         |      |     |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |
|---|---------------|-------------------------|---------|------|-----|----------------|----------|----------|----------------------------------|----------|------|----|-----|------|------|------------------------|--|--|
| <br>80°C<br>CoreGuard® | <b>1258AM</b> | NEC: U-500 <sup>▲</sup> | U-152.4 | 15.0 | 6.8 | 18 AWG (solid) | .180     | 4.57     | Duobond II* + 60% Aluminum Braid | .270     | 6.86 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|   |               | CATV: 500 <sup>▲</sup>  | U-152.4 | 16.0 | 7.3 | .040"          | 28.0Ω/M' | 91.9Ω/km | 9.0Ω/M'                          | 29.5Ω/km |      |    |     |      |      |                        |  |  |
|   |               | CM: CM                  |         |      |     |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |
|   |               | CEC: CM                 |         |      |     |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |


.051" (1.3mm) galvanized steel messenger.

**Gas-injected Foam Polyethylene Insulation • Black Low-Smoke, Zero-Halogen Jacket**

|   |               |                         |         |      |     |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |
|---|---------------|-------------------------|---------|------|-----|----------------|----------|----------|----------------------------------|----------|------|----|-----|------|------|------------------------|--|--|
| <br>LSZH and ABS Type Approved<br>75°C | <b>9116SB</b> | NEC: U-500 <sup>▲</sup> | U-152.4 | 15.0 | 6.8 | 18 AWG (solid) | .180     | 4.57     | Duobond II* + 60% Aluminum Braid | .274     | 6.96 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|   |               | CMG-LS                  | U-152.4 | 16.0 | 7.3 | .040"          | 28.0Ω/M' | 91.9Ω/km | 9.0Ω/M'                          | 29.5Ω/km |      |    |     |      |      |                        |  |  |
|   |               | CEC: CMG-LS FT4         |         |      |     |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |
|   |               | Limited Smoke           |         |      |     |                |          |          |                                  |          |      |    |     |      |      |                        |  |  |

Sweep tested 5 MHz to 3 GHz.

**Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket**

|   |              |              |         |      |      |                |          |          |                                  |          |      |    |     |      |      |      |     |      |
|---|--------------|--------------|---------|------|------|----------------|----------|----------|----------------------------------|----------|------|----|-----|------|------|------|-----|------|
| <br>75°C | <b>9116P</b> | NEC: U-1000  | U-304.8 | 27.0 | 12.3 | 18 AWG (solid) | .170     | 4.32     | Duobond II* + 60% Aluminum Braid | .235     | 5.97 | 75 | 83% | 16.3 | 53.5 | 1    | .3  | 1.0  |
|   |              | CATVP: 1000  | U-304.8 | 27.0 | 12.3 | .040"          | 28.0Ω/M' | 91.9Ω/km | 9.0Ω/M'                          | 29.5Ω/km |      |    |     |      |      |      |     |      |
|   |              | CMP: CMP FT6 |         |      |      |                |          |          |                                  |          |      |    |     |      |      | 10   | .7  | 2.2  |
|   |              | CEC: CMP FT6 |         |      |      |                |          |          |                                  |          |      |    |     |      |      | 50   | 1.6 | 5.3  |
|   |              |              |         |      |      |                |          |          |                                  |          |      |    |     |      |      | 100  | 2.2 | 7.2  |
|   |              |              |         |      |      |                |          |          |                                  |          |      |    |     |      |      | 200  | 3.0 | 9.8  |
|   |              |              |         |      |      |                |          |          |                                  |          |      |    |     |      |      | 400  | 4.6 | 15.1 |
|   |              |              |         |      |      |                |          |          |                                  |          |      |    |     |      |      | 700  | 6.6 | 21.7 |
|   |              |              |         |      |      |                |          |          |                                  |          |      |    |     |      |      | 900  | 7.7 | 25.3 |
|   |              |              |         |      |      |                |          |          |                                  |          |      |    |     |      |      | 1000 | 8.2 | 26.9 |

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene  
 Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.  
 \*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).



# Broadband Coax

## CATV Cables

### Series 6

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® II + Aluminum Braid Shield (90% Coverage)**

**Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black or Neutral)**

|      |              |                                  |  |                  |              |              |   |              |  |              |    |     |      |      |                        |  |  |
|------|--------------|----------------------------------|--|------------------|--------------|--------------|---|--------------|--|--------------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1530A</b> | NEC:<br>CATV<br>CM<br>CEC:<br>CM | U-1000 <sup>▲</sup><br>1000 <sup>▲</sup> | U-304.8<br>304.8 | 31.0<br>32.0 | 14.1<br>14.5 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180<br>4.57 | Duobond II*<br>+ 90%<br>Aluminum<br>Braid<br>5.0Ω/M'<br>16.4Ω/km | .270<br>6.86 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|--------------|----------------------------------|--|------------------|--------------|--------------|---|--------------|--|--------------|----|-----|------|------|------------------------|--|--|

<sup>▲</sup>1000 ft. and U-1000 ft. put-ups also available in White Neutral.

**Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket**

|      |               |   |      |       |      |      |   |              |  |              |    |     |      |      |                              |     |      |
|------|---------------|---|------|-------|------|------|---|--------------|--|--------------|----|-----|------|------|------------------------------|-----|------|
| 75°C | <b>1530AP</b> | NEC:<br>CATVP<br>CMP<br>CEC:<br>CMP FT6 | 1000 | 304.8 | 31.0 | 14.1 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .170<br>4.32 | Duobond II*<br>+ 90%<br>Aluminum<br>Braid<br>5.0Ω/M'<br>16.4Ω/km | .235<br>5.97 | 75 | 83% | 16.3 | 53.5 | Sweep tested 5 MHz to 1 GHz. |     |      |
|      |               |   |      |       |      |      |   |              |  |              |    |     |      |      | 1                            | .3  | 1.0  |
|      |               |   |      |       |      |      |   |              |  |              |    |     |      |      | 10                           | .7  | 2.3  |
|      |               |   |      |       |      |      |   |              |  |              |    |     |      |      | 50                           | 1.6 | 5.3  |
|      |               |   |      |       |      |      |   |              |  |              |    |     |      |      | 100                          | 2.2 | 7.2  |
|      |               |   |      |       |      |      |   |              |  |              |    |     |      |      | 200                          | 3.0 | 9.8  |
|      |               |   |      |       |      |      |   |              |  |              |    |     |      |      | 400                          | 4.6 | 15.1 |
|      |               |   |      |       |      |      |   |              |  |              |    |     |      |      | 700                          | 6.6 | 21.7 |
|      |               |   |      |       |      |      |   |              |  |              |    |     |      |      | 900                          | 7.7 | 25.3 |
|      |               |   |      |       |      |      |   |              |  |              |    |     |      |      | 1000                         | 8.2 | 26.9 |

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |               |   |      |       |      |      |   |              |  |   |    |     |      |      |                        |  |  |
|------|---------------|---|------|-------|------|------|---|--------------|--|---|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1531AM</b> | — | 1000 | 304.8 | 45.0 | 20.4 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180<br>4.57 | Duobond II*<br>+ 90%<br>Aluminum<br>Braid<br>5.0Ω/M'<br>16.4Ω/km | .270<br>6.86<br>x<br>x<br>.410<br>10.41 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|---------------|---|------|-------|------|------|---|--------------|--|---|----|-----|------|------|------------------------|--|--|

.051" (1.3mm) galvanized steel messenger.

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

|                |              |   |      |       |      |      |   |              |  |              |    |     |      |      |                        |  |  |
|----------------|--------------|---|------|-------|------|------|---|--------------|--|--------------|----|-----|------|------|------------------------|--|--|
| Burial<br>80°C | <b>1532A</b> | — | 1000 | 304.8 | 27.0 | 12.3 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180<br>4.57 | Duobond II*<br>+ 90%<br>Aluminum<br>Braid<br>5.0Ω/M'<br>16.4Ω/km | .270<br>6.86 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|----------------|--------------|---|------|-------|------|------|---|--------------|--|--------------|----|-----|------|------|------------------------|--|--|

CoreGuard®

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene  
 Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.  
 \*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

# Broadband Coax

## CATV Cables

### Series 6

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® III + Aluminum Braid Shield (60% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |             |                                  |                             |                  |              |              |   |      |      |  |           |           |    |     |      |      |                        |  |  |
|------|-------------|----------------------------------|-----------------------------|------------------|--------------|--------------|---|------|------|--|-----------|-----------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>9118</b> | NEC:<br>CATV<br>CM<br>CEC:<br>CM | U-1000 <sup>▲</sup><br>1000 | U-304.8<br>304.8 | 30.0<br>30.0 | 13.6<br>13.6 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond III*<br>+ 60%<br>Aluminum Braid<br>6.5Ω/M'<br>21.3Ω/km | .278<br>x | 7.06<br>x | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|-------------|----------------------------------|-----------------------------|------------------|--------------|--------------|---|------|------|--|-----------|-----------|----|-----|------|------|------------------------|--|--|

▲U-1000 ft. put-up also available in Beige, White and White Neutral.

|      |              |   |      |       |      |      |   |      |      |  |           |           |    |     |      |      |                        |  |  |
|------|--------------|---|------|-------|------|------|---|------|------|--|-----------|-----------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>9119M</b> | — | 1000 | 304.8 | 43.0 | 19.5 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond III*<br>+ 60%<br>Aluminum Braid<br>6.5Ω/M'<br>21.3Ω/km | .275<br>x | 6.99<br>x | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|--------------|---|------|-------|------|------|---|------|------|--|-----------|-----------|----|-----|------|------|------------------------|--|--|

.051" (1.3mm) galvanized steel messenger.

Sweep tested 5 MHz to 1 GHz.

|      |              |                                  |        |         |      |      |   |      |      |  |      |      |    |     |      |      |                        |  |  |
|------|--------------|----------------------------------|--------|---------|------|------|---|------|------|--|------|------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1546A</b> | NEC:<br>CATV<br>CM<br>CEC:<br>CM | U-1000 | U-304.8 | 31.0 | 14.1 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond III*<br>+ 60%<br>Aluminum Braid<br>6.5Ω/M'<br>21.3Ω/km | .278 | 7.06 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|--------------|----------------------------------|--------|---------|------|------|---|------|------|--|------|------|----|-----|------|------|------------------------|--|--|

CoreGuard®

Sweep tested 5 MHz to 1 GHz.

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

|                |              |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      |                        |  |  |
|----------------|--------------|---|------|-------|------|------|---|------|------|--|------|------|----|-----|------|------|------------------------|--|--|
| Burial<br>80°C | <b>1837A</b> | — | 1000 | 304.8 | 26.0 | 11.8 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond III*<br>+ 60%<br>Aluminum Braid<br>6.5Ω/M'<br>21.3Ω/km | .275 | 6.99 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|----------------|--------------|---|------|-------|------|------|---|------|------|--|------|------|----|-----|------|------|------------------------|--|--|

CoreGuard®

Sweep tested 5 MHz to 1 GHz.

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Bonded Beldfoil® + Aluminum Braid Shield (50% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |                                     |   |                |                  |              |              |   |      |      |  |      |      |    |     |      |      |                        |  |  |
|------|-------------------------------------|---|----------------|------------------|--------------|--------------|---|------|------|--|------|------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>5339G5</b><br><small>new</small> | NEC:<br>CATV,<br>CMG<br>CEC:<br>CMG FT4 | U-1000<br>1000 | U-304.8<br>304.8 | 24.0<br>24.0 | 10.9<br>10.9 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Bonded Beldfoil<br>+ 50%<br>AL Braid<br>15.0Ω/M'<br>49.2Ω/km | .253 | 6.43 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|-------------------------------------|---|----------------|------------------|--------------|--------------|---|------|------|--|------|------|----|-----|------|------|------------------------|--|--|

Sweep tested 5 MHz to 3 GHz.

AL = Aluminum • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond III = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage).

# Broadband Coax

## CATV Cables

### Series 6

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor(s) • Duobond® III + Aluminum Braid Shield (77% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |              |  |         |          |      |                |      |      |                                   |      |      |    |     |      |      |                        |  |  |
|------|--------------|--|---------|----------|------|----------------|------|------|-----------------------------------|------|------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1613A</b> | NEC: B-700 <sup>▲</sup><br>CATV U-1000 <sup>▲</sup><br>CM 1000<br>CEC: U-304.8<br>CM 304.8 | B-213.0 | 19.6     | 8.9  | 18 AWG (solid) | .180 | 4.57 | Duobond III* + 77% Aluminum Braid | .278 | 7.06 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|      |              |  | U-304.8 | 31.0     | 14.1 | .040"          |      |      | BCCS                              |      |      |    |     |      |      |                        |  |  |
|      |              |  |         | 28.0Ω/M' |      |                |      |      | 5.6Ω/M'                           |      |      |    |     |      |      |                        |  |  |
|      |              |  |         | 91.9Ω/km |      |                |      |      | 18.4Ω/km                          |      |      |    |     |      |      |                        |  |  |

<sup>▲</sup>B-700 also available in White. U-1000 ft. also available in White and White Neutral.

|      |               |   |      |       |      |      |                |      |      |                                   |      |       |    |     |      |      |                        |  |  |
|------|---------------|---|------|-------|------|------|----------------|------|------|-----------------------------------|------|-------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1615AM</b> | — | 1000 | 304.8 | 44.0 | 20.0 | 18 AWG (solid) | .180 | 4.57 | Duobond III* + 77% Aluminum Braid | .275 | 6.99  | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|      |               |   |      |       |      |      | .040"          |      |      | Aluminum                          | .416 | 10.57 |    |     |      |      |                        |  |  |
|      |               |   |      |       |      |      | BCCS           |      |      | Braid                             |      |       |    |     |      |      |                        |  |  |
|      |               |   |      |       |      |      | 28.0Ω/M'       |      |      | 5.6Ω/M'                           |      |       |    |     |      |      |                        |  |  |
|      |               |   |      |       |      |      | 91.9Ω/km       |      |      | 18.4Ω/km                          |      |       |    |     |      |      |                        |  |  |

.051" (1.3mm) galvanized steel messenger.

|      |               |   |      |       |      |      |                |      |      |                                   |      |       |    |     |      |      |                        |  |  |
|------|---------------|---|------|-------|------|------|----------------|------|------|-----------------------------------|------|-------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1616AM</b> | — | 1000 | 304.8 | 45.0 | 20.4 | 18 AWG (solid) | .180 | 4.57 | Duobond III* + 77% Aluminum Braid | .275 | 6.99  | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|      |               |   |      |       |      |      | .040"          |      |      | Aluminum                          | .416 | 10.57 |    |     |      |      |                        |  |  |
|      |               |   |      |       |      |      | BCCS           |      |      | Braid                             |      |       |    |     |      |      |                        |  |  |
|      |               |   |      |       |      |      | 28.0Ω/M'       |      |      | 5.6Ω/M'                           |      |       |    |     |      |      |                        |  |  |
|      |               |   |      |       |      |      | 91.9Ω/km       |      |      | 18.4Ω/km                          |      |       |    |     |      |      |                        |  |  |

CoreGuard®

.051" (1.3mm) galvanized steel messenger.

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

|               |              |   |      |       |      |      |                |      |      |                                   |      |      |    |     |      |      |                        |  |  |
|---------------|--------------|---|------|-------|------|------|----------------|------|------|-----------------------------------|------|------|----|-----|------|------|------------------------|--|--|
| <b>Burial</b> | <b>1614A</b> | — | 1000 | 304.8 | 27.0 | 12.3 | 18 AWG (solid) | .180 | 4.57 | Duobond III* + 77% Aluminum Braid | .275 | 6.99 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
| 80°C          |              |   |      |       |      |      | .040"          |      |      | Aluminum                          |      |      |    |     |      |      |                        |  |  |
|               |              |   |      |       |      |      | BCCS           |      |      | Braid                             |      |      |    |     |      |      |                        |  |  |
|               |              |   |      |       |      |      | 28.0Ω/M'       |      |      | 5.6Ω/M'                           |      |      |    |     |      |      |                        |  |  |
|               |              |   |      |       |      |      | 91.9Ω/km       |      |      | 18.4Ω/km                          |      |      |    |     |      |      |                        |  |  |

CoreGuard®

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond III = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage).

# Broadband Coax


## CATV Cables

### Series 6


| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor(s) • Duobond Plus® + Aluminum Braid Shield (77% Coverage)**


**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|  |             |                                  |                 |                  |              |              |   |      |      |   |      |      |    |     |      |      |                        |  |  |
|--|-------------|----------------------------------|-----------------|------------------|--------------|--------------|---|------|------|---|------|------|----|-----|------|------|------------------------|--|--|
| 80°C   | <b>9058</b> | NEC:<br>CATV<br>CM<br>CEC:<br>CM | U-1000*<br>1000 | U-304.8<br>304.8 | 32.0<br>31.0 | 14.5<br>14.1 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond Plus*<br>+ 77%<br>Aluminum Braid<br>5.6Ω/M'<br>18.4Ω/km | .275 | 6.99 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|  <p>Shorting Fold</p> |             |                                  |                 |                  |              |              |   |      |      |   |      |      |    |     |      |      |                        |  |  |

\*U-1000 ft. put-up also available in White or Beige.

|   |                                    |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |                        |  |  |
|---|------------------------------------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|------------------------|--|--|
| 80°C  | <b>9059M</b><br><small>new</small> | — | 1000 | 304.8 | 43.0 | 19.5 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond Plus*<br>+ 77%<br>Aluminum Braid<br>5.6Ω/M'<br>18.4Ω/km | .275 | 6.99 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|  <p>Shorting Fold CoreGuard®</p> |                                    |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |                        |  |  |

.051" (1.3mm) galvanized steel messenger.

|  |               |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |                        |  |  |
|--|---------------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|------------------------|--|--|
| 80°C   | <b>1260AM</b> | — | 1000 | 304.8 | 44.0 | 20.0 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond Plus*<br>+ 77%<br>Aluminum Braid<br>5.6Ω/M'<br>18.4Ω/km | .275 | 6.99 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|  <p>Shorting Fold CoreGuard</p> |               |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |                        |  |  |

.051" (1.3mm) galvanized steel messenger.

**Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black or Orange)**

|  |             |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |                        |  |  |
|--|-------------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|------------------------|--|--|
| 80°C   | <b>9062</b> | — | 1000 | 304.8 | 27.0 | 12.3 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond Plus*<br>+ 77%<br>Aluminum Braid<br>5.6Ω/M'<br>18.4Ω/km | .275 | 6.99 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|  <p>Shorting Fold CoreGuard</p> |             |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |                        |  |  |

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond Plus = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + shorting fold.

# Broadband Coax

## CATV Cables

### Series 6

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® IV Quad Shield (60% and 40% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |               |   |      |       |      |      |   |      |      |  |      |    |     |      |      |                        |  |  |
|------|---------------|---|------|-------|------|------|---|------|------|--|------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1191AM</b> | — | 1000 | 304.8 | 46.0 | 20.9 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond IV*<br>60% & 40%<br>Aluminum<br>.433 | 7.57 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|      |               |   |      |       |      |      |   |      |      | Sweep tested 5 MHz to 1 GHz.                 |      |    |     |      |      |                        |  |  |

.051" (1.3mm) galvanized steel messenger.

|      |                                    |  |                |                  |              |              |   |      |      |   |      |      |    |     |      |      |   |  |  |
|------|------------------------------------|--|----------------|------------------|--------------|--------------|---|------|------|---|------|------|----|-----|------|------|---|--|--|
| 80°C | <b>1322R</b><br><small>NEW</small> | NEC:<br>CATVR,<br>CMR<br>CEC:<br>CMG FT4 | U-1000<br>1000 | U-304.8<br>304.8 | 41.0<br>35.0 | 18.6<br>15.9 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond IV*<br>60% & 40%<br>Aluminum<br>Braids<br>4.8Ω/M'<br>15.7Ω/km | .298 | 7.57 | 75 | 83% | 16.2 | 53.1 | 5<br>55<br>500<br>750<br>1000<br>1450<br>1800<br>3000 | .5<br>1.4<br>4.1<br>5.1<br>6.0<br>7.4<br>8.3<br>10.5 | 1.6<br>4.6<br>13.5<br>16.7<br>19.7<br>24.3<br>27.2<br>34.5 |
|      |                                    |  |                |                  |              |              |   |      |      | Sweep tested 5 MHz to 3 GHz.  |      |      |    |     |      |      |   |  |  |

**Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black or White)**

|      |              |                                  |                              |                    |              |             |   |      |      |   |      |      |    |     |      |      |                        |  |  |
|------|--------------|----------------------------------|------------------------------|--------------------|--------------|-------------|---|------|------|---|------|------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1189A</b> | NEC:<br>CATV<br>CM<br>CEC:<br>CM | U-500<br>U-1000 <sup>▲</sup> | U-152.4<br>U-304.8 | 18.0<br>35.0 | 8.2<br>15.9 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond IV*<br>60% & 40%<br>Aluminum<br>Braids<br>4.8Ω/M'<br>15.7Ω/km | .298 | 7.57 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|--------------|----------------------------------|------------------------------|--------------------|--------------|-------------|---|------|------|---|------|------|----|-----|------|------|------------------------|--|--|

<sup>▲</sup>1000 ft. put-up also available in Beige or White Neutral.

**Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket**

|      |               |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |  |   |   |
|------|---------------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|--|---|---|
| 75°C | <b>1189AP</b> | NEC:<br>CATVP<br>CMP<br>CEC:<br>CMP FT6 | 1000 | 304.8 | 32.0 | 14.5 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .170 | 4.32 | Duobond IV*<br>60% & 40%<br>Aluminum<br>Braids<br>4.8Ω/M'<br>15.7Ω/km | .248 | 6.30 | 75 | 83% | 16.3 | 53.5 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .3<br>.7<br>1.6<br>2.2<br>3.0<br>4.6<br>6.6<br>7.7<br>8.2 | 1.0<br>2.2<br>5.3<br>7.2<br>9.8<br>15.1<br>21.7<br>25.3<br>26.9 |
|      |               |   |      |       |      |      |   |      |      | Sweep tested 5 MHz to 1 GHz.  |      |      |    |     |      |      |  |   |   |

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond IV = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).



# Broadband Coax

## CATV Cables

### Series 6

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |             |          |
|-------------|----------|------------------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|-------------|----------|
|             |          |                        | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/ 100 Ft. | dB/ 100m |

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® IV Quad Shield (60% and 40% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket with CoreGuard® (Black or Orange)**

|                |       |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |                        |  |  |
|----------------|-------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|------------------------|--|--|
| Burial<br>80°C | 1190A | — | 1000 | 304.8 | 31.0 | 14.1 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond IV*<br>60% + 40%<br>Aluminum<br>Braids<br>4.8Ω/M'<br>15.7Ω/km | .298 | 7.57 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|                |       |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |                        |  |  |



CoreGuard®

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duofoil® (100% Coverage) + TC Braid Shield (95% Coverage)**

**Plenum • Foam FEP Insulation • Black FEP Jacket**

|       |       |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |    |    |     |
|-------|-------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|----|----|-----|
| 200°C | 89120 | NEC:<br>CATVP<br>CMP<br>CEC:<br>CMP FT6 | 500  | 152.4 | 21.5 | 9.8  | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .170 | 4.32 | Duofoil<br>95%<br>TC<br>Braid<br>1.7Ω/M'<br>5.6Ω/km | .234 | 5.94 | 75 | 82% | 16.5 | 54.1 | 1  | .3 | 1.0 |
|       |       |   | 1000 | 304.8 | 46.0 | 20.9 |   |      |      |   |      |      |    |     |      |      | 10 | .7 | 2.2 |



**Plenum • Foam FEP Insulation • Black Fluorocopolymer Jacket**

|       |       |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |    |    |     |
|-------|-------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|----|----|-----|
| 150°C | 87120 | NEC:<br>CATVP<br>CMP<br>CEC:<br>CMP FT6,<br>CXC FT4 | 500  | 152.4 | 20.5 | 9.3  | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .170 | 4.32 | Duofoil<br>95%<br>TC<br>Braid<br>1.7Ω/M'<br>5.6Ω/km | .234 | 5.94 | 75 | 82% | 16.5 | 54.1 | 1  | .3 | 1.0 |
|       |       |   | 1000 | 304.8 | 45.0 | 20.4 |   |      |      |   |      |      |    |     |      |      | 10 | .7 | 2.2 |



**Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket**

|      |       |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |    |    |     |
|------|-------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|----|----|-----|
| 75°C | 82120 | NEC:<br>CATVP<br>CMP<br>CEC:<br>CMP FT6 | 1000 | 304.8 | 44.0 | 20.0 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .170 | 4.32 | Duofoil<br>95%<br>TC<br>Braid<br>1.7Ω/M'<br>5.6Ω/km | .234 | 5.94 | 75 | 82% | 16.5 | 54.1 | 1  | .3 | 1.0 |
|      |       |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 10 | .7 | 2.2 |



**Series 6 • 18 AWG Solid .040" BCCS Conductor • Duofoil (100% Coverage) + TC Braid Shield (60% and 40% Coverage)**

**Plenum • Foam FEP Insulation • Snow Beige FEP Jacket**

|       |       |                                |      |       |      |      |   |      |      |  |      |      |    |     |      |      |    |    |     |
|-------|-------|--------------------------------|------|-------|------|------|---|------|------|--|------|------|----|-----|------|------|----|----|-----|
| 200°C | 1152A | NEC:<br>CMP<br>CEC:<br>CMP FT6 | 500  | 152.4 | 27.5 | 12.5 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .170 | 4.32 | (2) Duofoil<br>Shields<br>+ (2) TC<br>Braids<br>1.8Ω/M'<br>5.9Ω/km | .273 | 6.93 | 75 | 82% | 16.5 | 54.1 | 1  | .3 | 1.0 |
|       |       |                                | 1000 | 304.8 | 53.0 | 24.1 |   |      |      |  |      |      |    |     |      |      | 10 | .7 | 2.2 |



BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

# Broadband Coax

## CATV Cables

### Series 11

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor<br>(stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding<br>Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp.<br>(Ω) | Nom. Vel.<br>of Prop. | Nominal Capacitance |      | Nominal Attenuation |                |             |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--|-----------------|----|------------------------------------|------------|----|------------------|-----------------------|---------------------|------|---------------------|----------------|-------------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |  | Inch            | mm |                                    | Inch       | mm |                  |                       | pF/Ft.              | pF/m | MHz                 | dB/<br>100 Ft. | dB/<br>100m |

**Series 11 • 14 AWG Solid .064" BCCS Conductor • Duofoil® (100% Coverage) + Aluminum Braid Shield (40% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|                              |             |   |      |       |      |      |  |      |      |  |      |       |    |     |      |      |                           |  |  |
|------------------------------|-------------|---|------|-------|------|------|--|------|------|--|------|-------|----|-----|------|------|---------------------------|--|--|
| 80°C                         | <b>9011</b> | — | 1000 | 304.8 | 66.0 | 29.9 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duofoil<br>+ 40%<br>Aluminum<br>Braid<br>5.3Ω/M'<br>17.4Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
| Sweep tested 5 MHz to 1 GHz. |             |   |      |       |      |      |  |      |      |  |      |       |    |     |      |      |                           |  |  |



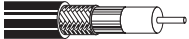
**Series 11 • 14 AWG Solid .064" Bare Copper-covered Steel Conductor • Duobond® II + Aluminum Braid Shield (60% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

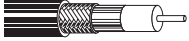
|                              |              |                                  |                   |       |      |      |  |      |      |  |      |       |    |     |      |      |                           |  |  |
|------------------------------|--------------|----------------------------------|-------------------|-------|------|------|--|------|------|--|------|-------|----|-----|------|------|---------------------------|--|--|
| 80°C                         | <b>1523A</b> | NEC:<br>CATV<br>CM<br>CEC:<br>CM | 1000 <sup>▲</sup> | 304.8 | 67.0 | 30.4 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>4.1Ω/M'<br>13.4Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
| Sweep tested 5 MHz to 1 GHz. |              |                                  |                   |       |      |      |  |      |      |  |      |       |    |     |      |      |                           |  |  |

<sup>▲</sup>1000 ft. put-up also available in White.

|                              |               |   |      |       |      |      |  |      |      |  |      |       |    |     |      |      |                           |  |  |
|------------------------------|---------------|---|------|-------|------|------|--|------|------|--|------|-------|----|-----|------|------|---------------------------|--|--|
| 80°C                         | <b>1523AN</b> | — | 1000 | 304.8 | 68.0 | 30.9 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>4.1Ω/M'<br>13.4Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
| Sweep tested 5 MHz to 1 GHz. |               |   |      |       |      |      |  |      |      |  |      |       |    |     |      |      |                           |  |  |



|                              |              |                                     |             |                |              |              |  |      |      |  |      |       |    |     |      |      |                           |  |  |
|------------------------------|--------------|-------------------------------------|-------------|----------------|--------------|--------------|--|------|------|--|------|-------|----|-----|------|------|---------------------------|--|--|
| 80°C                         | <b>1523R</b> | NEC:<br>CATVR<br>CMR<br>CEC:<br>CMR | 500<br>1000 | 152.4<br>304.8 | 35.0<br>70.0 | 15.9<br>31.8 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>4.1Ω/M'<br>13.4Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
| Sweep tested 5 MHz to 1 GHz. |              |                                     |             |                |              |              |  |      |      |  |      |       |    |     |      |      |                           |  |  |



|                              |               |   |      |       |      |      |  |      |      |  |                   |                     |    |     |      |      |                           |  |  |
|------------------------------|---------------|---|------|-------|------|------|--|------|------|--|-------------------|---------------------|----|-----|------|------|---------------------------|--|--|
| <b>Aerial</b><br>80°C        | <b>1524AM</b> | — | 1000 | 304.8 | 90.0 | 40.8 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>4.1Ω/M'<br>13.4Ω/km | .400<br>x<br>.580 | 10.16<br>x<br>14.73 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
| Sweep tested 5 MHz to 1 GHz. |               |   |      |       |      |      |  |      |      |  |                   |                     |    |     |      |      |                           |  |  |

.072" (1.83mm) galvanized steel messenger.

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Available in Black or Orange)**

|                              |              |   |      |       |      |      |  |      |      |  |      |       |    |     |      |      |                           |  |  |
|------------------------------|--------------|---|------|-------|------|------|--|------|------|--|------|-------|----|-----|------|------|---------------------------|--|--|
| <b>Burial</b><br>80°C        | <b>1525A</b> | — | 1000 | 304.8 | 60.0 | 27.3 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>4.1Ω/M'<br>13.4Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
| Sweep tested 5 MHz to 1 GHz. |              |   |      |       |      |      |  |      |      |  |      |       |    |     |      |      |                           |  |  |

CoreGuard®

**Plenum • Foam FEP Insulation • Black Fluorocopolymer Jacket**

|                              |               |                                     |      |       |      |      |  |      |      |  |      |      |    |     |      |      |  |  |  |
|------------------------------|---------------|-------------------------------------|------|-------|------|------|--|------|------|--|------|------|----|-----|------|------|--|--|--|
| 150°C                        | <b>1523AP</b> | NEC:<br>CATVP<br>CMP<br>CEC:<br>CMP | 1000 | 304.8 | 62.0 | 28.2 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .274 | 6.96 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>4.1Ω/M'<br>13.4Ω/km | .348 | 8.84 | 75 | 83% | 16.3 | 53.5 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .2<br>4<br>1.0<br>1.4<br>2.3<br>3.7<br>5.3<br>6.4<br>6.9 | .6<br>1.3<br>3.3<br>4.6<br>7.5<br>12.1<br>17.4<br>21.0<br>22.6 |
| Sweep tested 5 MHz to 1 GHz. |               |                                     |      |       |      |      |  |      |      |  |      |      |    |     |      |      |  |  |  |

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

# Broadband Coax

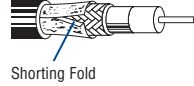
## CATV Cables Series 11

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 11 • 14 AWG Solid .064" Bare Copper-covered Steel Conductor • Duobond Plus® + Aluminum Braid Shield (77% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

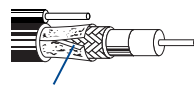
|      |             |                               |      |       |      |      |   |      |      |   |      |       |    |     |      |      |                        |  |  |
|------|-------------|-------------------------------|------|-------|------|------|---|------|------|---|------|-------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>9064</b> | NEC:<br>CATV<br>CM<br>CEC: CM | 1000 | 304.8 | 68.0 | 30.9 | 14 AWG (solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond Plus*<br>+ 77%<br>Aluminum Braid<br>3.8Ω/M'<br>12.5Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|-------------|-------------------------------|------|-------|------|------|---|------|------|---|------|-------|----|-----|------|------|------------------------|--|--|



Sweep tested 5 MHz to 1 GHz.

**Aerial 80°C**

|      |              |   |      |       |      |      |   |      |      |   |      |       |    |     |      |      |                        |  |  |
|------|--------------|---|------|-------|------|------|---|------|------|---|------|-------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>9065M</b> | — | 1000 | 304.8 | 86.0 | 39.0 | 14 AWG (solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond Plus*<br>+ 77%<br>Aluminum Braid<br>3.8Ω/M'<br>12.5Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|--------------|---|------|-------|------|------|---|------|------|---|------|-------|----|-----|------|------|------------------------|--|--|



.072" (1.8mm) galvanized steel messenger.

Sweep tested 5 MHz to 1 GHz.

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

|             |             |   |      |       |      |      |   |      |      |   |      |       |    |     |      |      |                        |  |  |
|-------------|-------------|---|------|-------|------|------|---|------|------|---|------|-------|----|-----|------|------|------------------------|--|--|
| Burial 80°C | <b>9764</b> | — | 1000 | 304.8 | 60.0 | 27.2 | 14 AWG (solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond Plus*<br>+ 77%<br>Aluminum Braid<br>3.8Ω/M'<br>12.5Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|-------------|-------------|---|------|-------|------|------|---|------|------|---|------|-------|----|-----|------|------|------------------------|--|--|

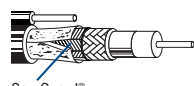


Sweep tested 5 MHz to 1 GHz.

**Series 11 • 14 AWG Solid .064" Bare Copper-covered Steel Conductor • Duobond® III + Aluminum Braid Shield (77% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|             |                                    |   |      |       |      |      |   |      |      |  |      |       |    |     |      |      |                        |  |  |
|-------------|------------------------------------|---|------|-------|------|------|---|------|------|--|------|-------|----|-----|------|------|------------------------|--|--|
| Aerial 80°C | <b>7983A</b><br><small>new</small> | — | 1000 | 304.8 | 89.0 | 40.4 | 14 AWG (solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond III*<br>+ 77%<br>Aluminum Braid<br>4.0Ω/M'<br>13.1Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|-------------|------------------------------------|---|------|-------|------|------|---|------|------|--|------|-------|----|-----|------|------|------------------------|--|--|

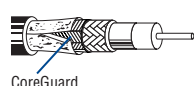


.072" (1.8mm) galvanized steel messenger.

Sweep tested 5 MHz to 1 GHz.

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

|             |                                    |   |      |       |      |      |   |      |      |  |      |       |    |     |      |      |                        |  |  |
|-------------|------------------------------------|---|------|-------|------|------|---|------|------|--|------|-------|----|-----|------|------|------------------------|--|--|
| Burial 80°C | <b>7984A</b><br><small>new</small> | — | 1000 | 304.8 | 57.0 | 25.9 | 14 AWG (solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond III*<br>+ 77%<br>Aluminum Braid<br>4.0Ω/M'<br>13.1Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|-------------|------------------------------------|---|------|-------|------|------|---|------|------|--|------|-------|----|-----|------|------|------------------------|--|--|



Sweep tested 5 MHz to 1 GHz.

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond Plus = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + shorting fold.  
Duobond III = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage).

# Broadband Coax

## CATV Cables


### Series 11

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                        | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 11 • 14 AWG Solid .064" Bare Copper-covered Steel Conductor • Duobond® IV Quad Shield (60% and 40% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |              |                      |      |       |      |      |   |      |      |  |      |       |    |     |      |      |                        |  |  |
|------|--------------|----------------------|------|-------|------|------|---|------|------|--|------|-------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1617A</b> | NEC: CATV<br>CEC: CM | 1000 | 304.8 | 67.0 | 30.5 | 14 AWG (solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond IV*<br>60% & 40%<br>Aluminum<br>Braids | .407 | 10.34 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|      |              |                      |      |       |      |      |   |      |      | Sweep tested 5 MHz to 1 GHz.                   |      |       |    |     |      |      |                        |  |  |



|      |               |   |      |       |      |      |   |      |      |  |                   |                     |    |     |      |      |                        |  |  |
|------|---------------|---|------|-------|------|------|---|------|------|--|-------------------|---------------------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1619AM</b> | — | 1000 | 304.8 | 84.0 | 38.2 | 14 AWG (solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond IV*<br>60% & 40%<br>Aluminum<br>Braids | .407<br>x<br>.560 | 10.34<br>x<br>14.22 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|      |               |   |      |       |      |      |   |      |      | Sweep tested 5 MHz to 1 GHz.                   |                   |                     |    |     |      |      |                        |  |  |

.072" (1.8mm) galvanized steel messenger.

|      |               |   |      |       |      |      |   |      |      |  |                   |                     |    |     |      |      |                        |  |  |
|------|---------------|---|------|-------|------|------|---|------|------|--|-------------------|---------------------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1620AM</b> | — | 1000 | 304.8 | 87.0 | 39.5 | 14 AWG (solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond IV*<br>60% & 40%<br>Aluminum<br>Braids | .407<br>x<br>.560 | 10.34<br>x<br>14.22 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|      |               |   |      |       |      |      |   |      |      | Sweep tested 5 MHz to 1 GHz.                   |                   |                     |    |     |      |      |                        |  |  |

CoreGuard®  
.072" (1.8mm) galvanized steel messenger.

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**


|                |              |   |      |       |      |      |   |      |      |  |      |       |    |     |      |      |                        |  |  |
|----------------|--------------|---|------|-------|------|------|---|------|------|--|------|-------|----|-----|------|------|------------------------|--|--|
| Burial<br>80°C | <b>1618A</b> | — | 1000 | 304.8 | 61.0 | 27.7 | 14 AWG (solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond IV*<br>60% & 40%<br>Aluminum<br>Braids | .407 | 10.34 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|                |              |   |      |       |      |      |   |      |      | Sweep tested 5 MHz to 1 GHz.                   |      |       |    |     |      |      |                        |  |  |

CoreGuard®

**Series 11 • 14 AWG Solid .064" BCCS Conductors • Duofoil® (100% Coverage) + TC Braid Shields (60% and 40% Coverage)**

**Plenum • Foam FEP Teflon Insulation • Snow Beige FEP Jacket**

|       |              |                               |             |                |               |              |   |      |      |   |      |      |    |     |      |      |  |   |  |
|-------|--------------|-------------------------------|-------------|----------------|---------------|--------------|---|------|------|---|------|------|----|-----|------|------|--|---|--|
| 200°C | <b>1153A</b> | NEC: CMP CL2P<br>CEC: CMP FT6 | 500<br>1000 | 152.4<br>304.8 | 52.5<br>106.0 | 23.9<br>48.2 | 14 AWG (solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | (2) Duofoil Shields<br>+ (2) TC<br>BCCS<br>1.8Ω/M'<br>5.9Ω/km | .387 | 9.83 | 75 | 82% | 16.2 | 53.1 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .2<br>.4<br>1.2<br>1.7<br>2.5<br>3.5<br>4.6<br>5.3<br>5.6 | .7<br>1.3<br>3.9<br>5.6<br>8.2<br>11.5<br>15.1<br>17.4<br>18.4 |
|       |              |                               |             |                |               |              |   |      |      | Sweep tested 5 MHz to 400 MHz.                                |      |      |    |     |      |      |  |   |  |



BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\* Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

Teflon is a DuPont trademark.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**