

Standard Analog Video Cable

75 Ohm Miniature Coax



Belden standard video cables are typically used in non-critical video applications such as video equipment rack wiring, closed circuit TV (CCTV), master antenna TV(MATV) and color or monochrome video monitor hook-ups. Applications such as these do not require Precision Video coaxes which have extremely tight electrical tolerances. (See Precision Video cables, pages 19.49 through 19.58.)

Standard video coaxes are available in both solid and stranded designs. Stranded designs are recommended for flexing applications such as interconnection of CCTV cameras with pan and tilt capabilities, or remote camera hook-ups where the cable is constantly being spooled and despoiled from a reel. Belden's Brilliance high-flex part no. 8241F is ideal for these types of applications.

Video coax cables have a characteristic impedance of 75 ohms. This value was not chosen arbitrarily. Physics shows that optimum attenuation characteristics occur at 77 ohms. Materials and design lead to the selection of 75 ohms as the optimum compromise for low power applications.

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths | | Standard Unit Weight | | Conductor (stranding) Diameter Nom. DCR | Insulation Diameter | | 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 |
| 30 AWG Stranded (7x38) .012" Tinned Copper Conductor • Tinned Copper Braid Shield (89% Coverage) | | | | | | | | | | | | | | | | | | | |
| Foam HDPE Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | |
| UL AWM Style 1375 (30V 60°C) | 9221 | — | 100 | 30.5 | 1.5 | 1.0 | 30 AWG (7x38) .012" | .058 | 1.47 | TC Braid 89% Shield Coverage | .097 | 2.46 | 75 | 78% | 17.3 | 56.8 | 1 | .7 | 2.3 |
| | | | U-500 | U-152.4 | 4.0 | 1.8 | TC | | | 11.7Ω/M' | | | | | | | 4 | 1.3 | 4.3 |
| | | | 500 | 152.4 | 4.0 | 1.8 | 100.0Ω/M' | | | 38.4Ω/km | | | | | | | 5 | 1.6 | 5.2 |
| | | | | | | | | | | | | | | | | | 10 | 2.2 | 7.2 |
| | | | | | | | | | | | | | | | | | 50 | 5.1 | 16.7 |
| | | | | | | | | | | | | | | | | | 100 | 7.3 | 23.9 |
| | | | | | | | | | | | | | | | | | 200 | 10.5 | 34.4 |
| | | | | | | | | | | | | | | | | | 400 | 15.5 | 50.9 |
| | | | | | | | | | | | | | | | | | 1000 | 26.6 | 87.3 |

| | | | | | | | | | | | | | | | | | | | |
|---|-------------|---|--------|---------|------|-----|---------------------|------|------|------------------------------|------|------|----|-----|------|------|------|------|------|
| 27 AWG Stranded (7x35) .017" Bare Copper-covered Steel Conductor • Tinned Copper Braid Shield (93% Coverage) | | | | | | | | | | | | | | | | | | | |
| Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | |
| UL AWM Style 1354 (30V 60°C) (1700V non-UL) | 8218 | — | U-500 | U-152.4 | 8.5 | 3.9 | 27 AWG (7x35) .017" | .100 | 2.54 | TC Braid 93% Shield Coverage | .150 | 3.81 | 75 | 66% | 20.5 | 67.3 | 1 | 1.2 | 3.9 |
| | | | 500 | 152.4 | 8.0 | 3.6 | BCCS | | | 5.7Ω/M' | | | | | | | 10 | 2.4 | 7.9 |
| | | | U-1000 | U-304.8 | 16.0 | 7.3 | 120.0Ω/M' | | | 18.7Ω/km | | | | | | | 50 | 4.2 | 13.8 |
| | | | 1000 | 304.8 | 14.0 | 6.4 | 393.7Ω/km | | | | | | | | | | 100 | 5.7 | 18.7 |
| | | | | | | | | | | | | | | | | | 200 | 8.3 | 27.2 |
| | | | | | | | | | | | | | | | | | 400 | 12.1 | 39.7 |
| | | | | | | | | | | | | | | | | | 700 | 16.5 | 54.1 |
| | | | | | | | | | | | | | | | | | 900 | 19.0 | 62.3 |
| | | | | | | | | | | | | | | | | | 1000 | 20.0 | 65.6 |

| | | | | | | | | | | | | | | | | | | | |
|--|----------|---|------|-------|-----|-----|-------------------------|------|------|---------------------------|------|------|----|-----|------|------|------|------|-------|
| Miniature • 25 AWG Solid .018" Tinned Copper Conductors • Duobond® (100% Coverage) + TC Braid Shield (95% Coverage) | | | | | | | | | | | | | | | | | | | |
| Gas-injected Foam HDPE Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | |
| 1281R <small>new</small> | NEC: CMR | 1 | 1000 | 304.8 | 8.0 | 3.6 | 25 AWG (solid) .018" TC | .074 | 1.88 | Duobond (100%) + TC Braid | .114 | 2.90 | 75 | 80% | 17.0 | 55.8 | 1 | .5 | 1.7 |
| | CEC: CMG | | | | | | 34.0Ω/M' | | | 5.4Ω/M' | | | | | | | 5 | 1.2 | 3.8 |
| | | | | | | | 111.6Ω/km | | | 17.7Ω/km | | | | | | | 50 | 3.7 | 12.1 |
| | | | | | | | | | | | | | | | | | 100 | 4.9 | 16.1 |
| | | | | | | | | | | | | | | | | | 200 | 6.7 | 22.0 |
| | | | | | | | | | | | | | | | | | 400 | 9.5 | 31.2 |
| | | | | | | | | | | | | | | | | | 700 | 13.4 | 44.0 |
| | | | | | | | | | | | | | | | | | 900 | 15.0 | 49.2 |
| | | | | | | | | | | | | | | | | | 1000 | 15.8 | 51.8 |
| | | | | | | | | | | | | | | | | | 3000 | 31.2 | 102.4 |

| | | | | | | | | | | | | | | | | | | | |
|--|--------------|---|------|-------|------|-----|-------------------------|------|------|---------------------------|------|------|----|-----|------|------|------|------|-------|
| Plenum • FPFA Insulation • Black Flamarrest® Jacket | | | | | | | | | | | | | | | | | | | |
| 1282P <small>new</small> | NEC: CMP | 1 | 1000 | 304.8 | 10.0 | 4.5 | 25 AWG (solid) .018" TC | .074 | 1.88 | Duobond (100%) + TC Braid | .114 | 2.90 | 75 | 81% | 17.0 | 55.8 | 1 | .4 | 1.3 |
| | CEC: CMP FT6 | | | | | | 31.8Ω/M' | | | 5.8Ω/M' | | | | | | | 5 | .9 | 3.0 |
| | | | | | | | 104.3Ω/km | | | 19.0Ω/km | | | | | | | 50 | 3.7 | 12.1 |
| | | | | | | | | | | | | | | | | | 100 | 5.0 | 16.4 |
| | | | | | | | | | | | | | | | | | 200 | 7.0 | 23.0 |
| | | | | | | | | | | | | | | | | | 400 | 10.0 | 32.8 |
| | | | | | | | | | | | | | | | | | 700 | 14.5 | 47.6 |
| | | | | | | | | | | | | | | | | | 900 | 17.0 | 55.8 |
| | | | | | | | | | | | | | | | | | 1000 | 17.5 | 57.4 |
| | | | | | | | | | | | | | | | | | 3000 | 37.0 | 121.4 |

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FPFA = Foam Perfluoroalkoxy • HDPE = High-density Polyethylene • TC = Tinned Copper

Standard Analog Video Cable

75 Ohm High-Frequency Cables

Conformable® Coax Cable



| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths | | Standard Unit Weight | | Conductor (stranding) Diameter Nom. DCR | Insulation Diameter | | 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 |

29 AWG Solid .011" Silver-coated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)

TFE Teflon® Insulation • Unjacketed

| | | | | | | | | | | | | | | | | | | | |
|--------------------------|---------------|---|--------------------|-------|------|-----|-----------|------|------|-------------|------|------|----|-------|------|------|------|------|------|
| UL AWM | 1672A* | — | 500 ^{††} | 152.4 | 7.5 | 3.4 | 29 AWG | .062 | 1.57 | CT | .087 | 2.21 | 75 | 69.5% | 19.5 | 64.0 | 1 | 1.6 | 5.3 |
| Style 10245 | | | 1000 ^{††} | 304.8 | 14.0 | 6.4 | (solid) | | | Composite | | | | | | | 10 | 1.8 | 5.9 |
| (30V 105°C) | | | | | | | .011" | | | 100% Shield | | | | | | | 50 | 4.1 | 13.5 |
| (1500V RMS 200°C non-UL) | | | | | | | SCCCS | | | Coverage | | | | | | | 100 | 6.5 | 21.3 |
| | | | | | | | 205.0Ω/M' | | | 10.0Ω/M' | | | | | | | 200 | 9.0 | 29.5 |
| | | | | | | | 672.4Ω/km | | | 33.5Ω/km | | | | | | | 400 | 12.8 | 42.0 |
| | | | | | | | | | | | | | | | | | 700 | 18.0 | 59.1 |
| | | | | | | | | | | | | | | | | | 1000 | 22.1 | 72.5 |



TFE Teflon Insulation • PVC Jacket (Black or Clear)

| | | | | | | | | | | | | | | | | | | | |
|--------------------------|---------------|---|--------------------|-------|------|-----|-----------|------|------|-------------|------|------|----|-------|------|------|------|------|------|
| UL AWM | 1672J* | — | 100 ^{†*} | 30.5 | 3.1 | 1.4 | 29 AWG | .062 | 1.57 | CT | .127 | 3.23 | 75 | 69.5% | 19.5 | 64.0 | 1 | 1.6 | 5.3 |
| Style 10245 | | | 500 [†] | 152.4 | 9.5 | 4.3 | (solid) | | | Composite | | | | | | | 10 | 1.8 | 5.9 |
| (30V 105°C) | | | 1000 ^{††} | 304.8 | 17.0 | 7.7 | .011" | | | 100% Shield | | | | | | | 50 | 4.1 | 13.5 |
| (1500V RMS 200°C non-UL) | | | | | | | SCCCS | | | Coverage | | | | | | | 100 | 6.5 | 21.3 |
| | | | | | | | 205.0Ω/M' | | | 10.0Ω/M' | | | | | | | 200 | 9.0 | 29.5 |
| | | | | | | | 672.4Ω/km | | | 33.5Ω/km | | | | | | | 400 | 12.8 | 42.0 |
| | | | | | | | | | | | | | | | | | 700 | 18.0 | 59.1 |
| | | | | | | | | | | | | | | | | | 1000 | 22.1 | 72.5 |



*100 ft. put-up available in Clear only.

29 AWG Solid .011" Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)

TFE Teflon Insulation • Unjacketed

| | | | | | | | | | | | | | | | | | | | |
|--------------------------|---------------|---|-------------------|-------|------|-----|----------|------|------|-------------|------|------|----|-------|------|------|------|------|------|
| UL AWM | 1672B* | — | 100 [†] | 30.5 | 2.5 | 1.1 | 29 AWG | .062 | 1.57 | CT | .087 | 2.21 | 75 | 69.5% | 19.5 | 64.0 | 1 | 1.2 | 3.9 |
| Style 10245 | | | 500 [†] | 152.4 | 7.5 | 3.4 | (solid) | | | Composite | | | | | | | 10 | 1.8 | 5.9 |
| (30V 105°C) | | | 1000 [†] | 304.8 | 14.0 | 6.4 | .011" | | | 100% Shield | | | | | | | 50 | 4.1 | 13.5 |
| (1500V RMS 200°C non-UL) | | | | | | | SPC | | | Coverage | | | | | | | 100 | 6.5 | 21.3 |
| | | | | | | | 11.0Ω/M' | | | 10.0Ω/M' | | | | | | | 200 | 9.0 | 29.5 |
| | | | | | | | 36.9Ω/km | | | 33.5Ω/km | | | | | | | 400 | 12.8 | 42.0 |
| | | | | | | | | | | | | | | | | | 700 | 18.0 | 59.1 |
| | | | | | | | | | | | | | | | | | 1000 | 22.1 | 72.5 |



Non-ferrous design

CT = Copper Tin • DCR = DC Resistance • SCCC = Silver-coated Copper-covered Steel • SPC = Silver-plated Copper

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

*Protected by one or more of U.S. Patent Nos. 4,694,122 and 5,292,001. Patent held in the U.S., Singapore, Australia, Germany, France and England. Patent pending in Japan.

†May contain more than one piece. Minimum length of any one piece is 25 ft.

††500 ft. put-up: Exact 5 pieces (maximum), 50 feet minimum length
1000 ft. put-up: Exact 8 pieces (maximum), 50 feet minimum length

Teflon is a DuPont trademark.



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

Standard Analog Video Cable

75 Ohm Coax
RG-59/U Type



19 • Brilliance® Broadcast

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths | | Standard Unit Weight | | Conductor (stranding) Diameter Nom. DCR | Insulation Diameter | | 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 |

23 AWG Solid .023" Bare Copper or Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)

| Polyethylene Insulation • Black or Colored PVC Jacket * | | | | | | | | | | | | | | | | | | | |
|---|-------------|---------|---------|------|-----------|----------|------------|------|------|----------|------|------|----|-----|------|------|------|------|------|
| UL AWM Style 1354 (30V 75°C) | 8241 | NEC: CM | 100 | 30.5 | 4.4 | 2.0 | 23 AWG | .146 | 3.71 | BC Braid | .240 | 6.09 | 75 | 66% | 20.5 | 67.3 | 1 | .6 | 2.0 |
| 300V RMS (UL) | | U-500 | U-152.4 | 19.5 | 8.8 | (solid) | 95% Shield | | | | | | | | | | 10 | 1.1 | 3.6 |
| 1700V RMS (non-UL) | | 500 | 152.4 | 18.5 | 8.4 | .023" | Coverage | | | | | | | | | | 50 | 2.4 | 7.9 |
| | | U-1000 | U-304.8 | 38.0 | 17.2 | BCCS | 2.6Ω/M' | | | | | | | | | | 100 | 3.4 | 11.2 |
| | | 1000 | 304.8 | 40.0 | 18.1 | 49.0Ω/M' | 8.5Ω/km | | | | | | | | | | 200 | 4.9 | 16.1 |
| | 2000 | 609.6 | 80.0 | 36.3 | 160.7Ω/km | | | | | | | | | | | 400 | 7.0 | 23.0 | |
| | 5000 | 1524.0 | 200.0 | 90.7 | | | | | | | | | | | | 700 | 9.7 | 31.8 | |
| | | | | | | | | | | | | | | | | 900 | 11.1 | 36.4 | |
| | | | | | | | | | | | | | | | | 1000 | 12.0 | 39.4 | |



For Plenum versions of 8241, see 88241 or 82241.

*U-1000 ft. put-up also available in Red, Orange, Yellow, Green, Blue or White.

| Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | |
|--|--------------|--------------|--------|---------|------|------|----------------|------------|------|----------|------|------|----|-----|------|------|------|------|------|
| UL AWM Style 1354 (30V 75°C) | 8241A | NEC: CMG | U-1000 | U-304.8 | 40.0 | 18.1 | 23 AWG (solid) | .146 | 3.71 | BC Braid | .242 | 6.15 | 75 | 66% | 20.5 | 67.3 | 1 | .6 | 2.0 |
| 300V RMS (UL) | | CEC: CMG FT4 | 1000 | 304.8 | 42.0 | 19.0 | .023" | 95% Shield | | | | | | | | | 5 | .9 | 3.0 |
| | | | | | | | BCCS | Coverage | | | | | | | | | 10 | 1.1 | 3.6 |
| | | | | | | | 49.0Ω/M' | 2.6Ω/M' | | | | | | | | | 50 | 2.4 | 7.9 |
| | | | | | | | 160.7Ω/km | 8.5Ω/km | | | | | | | | | 100 | 3.4 | 11.2 |
| | | | | | | | | | | | | | | | | 200 | 4.9 | 16.1 | |
| | | | | | | | | | | | | | | | | 400 | 7.0 | 23.0 | |
| | | | | | | | | | | | | | | | | 700 | 10.1 | 33.1 | |
| | | | | | | | | | | | | | | | | 900 | 11.7 | 38.2 | |
| | | | | | | | | | | | | | | | | 1000 | 13.2 | 43.3 | |



Suitable for Indoor and Outdoor applications.

| Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | |
|--|--------------|---------|--------|---------|------|------|----------------|------------|------|----------|------|------|----|-----|------|------|------|------|------|
| UL AWM Style 1354 (30V 80°C) | 8241B | NEC: CM | U-1000 | U-304.8 | 36.0 | 16.3 | 23 AWG (solid) | .146 | 3.71 | BC Braid | .242 | 6.15 | 75 | 66% | 20.5 | 67.3 | 1 | .4 | 1.3 |
| 300V RMS (UL) | | CEC: CM | 1000 | 304.8 | 37.0 | 16.8 | .023" | 95% Shield | | | | | | | | | 10 | 1.1 | 3.6 |
| 1700V RMS (non-UL) | | | | | | | BC | Coverage | | | | | | | | | 50 | 2.4 | 7.9 |
| | | | | | | | 20.4Ω/M' | 2.9Ω/M' | | | | | | | | | 100 | 3.4 | 11.2 |
| | | | | | | | 66.9Ω/km | 9.5Ω/km | | | | | | | | | 200 | 4.9 | 16.1 |
| | | | | | | | | | | | | | | | | 400 | 7.0 | 23.0 | |
| | | | | | | | | | | | | | | | | 700 | 9.7 | 31.8 | |
| | | | | | | | | | | | | | | | | 900 | 11.1 | 36.4 | |
| | | | | | | | | | | | | | | | | 1000 | 12.0 | 39.4 | |



Suitable for Indoor and Outdoor applications.

22 AWG Stranded (7x30) .030" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)

| Foam Polyethylene Insulation • PVC Jacket (Available in Matte Black, Red, Blue, Green, Yellow, White or Gray) | | | | | | | | | | | | | | | | | | | |
|---|--------------|---|------|-------|------|------|---------------|------------|---------|----------|------|------|----|-----|------|------|------|------|------|
| High-Flex 60°C | 8241F | — | 1000 | 304.8 | 35.0 | 15.9 | 22 AWG (7x30) | .146 | 3.71 | BC Braid | .242 | 6.15 | 75 | 78% | 17.3 | 56.8 | 1 | .3 | 1.0 |
| 300V RMS (non-UL) | | | | | | | .030" | 95% Shield | | | | | | | | | 10 | .9 | 3.0 |
| | | | | | | | | Coverage | | | | | | | | | 50 | 2.1 | 6.9 |
| | | | | | | | | BC | 2.6Ω/M' | | | | | | | | 100 | 3.0 | 9.8 |
| | | | | | | | | 15.0Ω/M' | 8.5Ω/km | | | | | | | | 200 | 4.5 | 14.8 |
| | | | | | | | 49.2Ω/km | | | | | | | | | 400 | 6.6 | 21.7 | |
| | | | | | | | | | | | | | | | | 700 | 8.9 | 29.2 | |
| | | | | | | | | | | | | | | | | 900 | 10.1 | 33.1 | |
| | | | | | | | | | | | | | | | | 1000 | 10.9 | 35.8 | |



23 AWG Solid .023" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (97% Coverage)

| Plenum • FEP Insulation • Black FEP Jacket | | | | | | | | | | | | | | | | | | | |
|--|--------------|--------------|------|-------|------|------|----------------|------------|------|----------|------|------|----|-------|------|------|------|------|------|
| 200°C | 88241 | NEC: CMP | 500 | 152.4 | 18.0 | 8.2 | 23 AWG (solid) | .132 | 3.35 | BC Braid | .190 | 4.83 | 75 | 69.5% | 19.5 | 64.0 | 1 | .5 | 1.6 |
| 300V RMS (UL) | | CEC: CMP FT6 | 1000 | 304.8 | 36.0 | 16.3 | .023" | 97% Shield | | | | | | | | | 10 | 1.0 | 3.3 |
| 1700V RMS (non-UL) | | | | | | | BCCS | Coverage | | | | | | | | | 50 | 2.3 | 7.5 |
| | | | | | | | 49.0Ω/M' | 2.6Ω/M' | | | | | | | | | 100 | 3.3 | 10.8 |
| | | | | | | | 160.7Ω/km | 8.5Ω/km | | | | | | | | | 200 | 5.2 | 17.1 |
| | | | | | | | | | | | | | | | | 400 | 8.4 | 27.6 | |
| | | | | | | | | | | | | | | | | 700 | 11.6 | 38.0 | |
| | | | | | | | | | | | | | | | | 900 | 13.8 | 45.3 | |
| | | | | | | | | | | | | | | | | 1000 | 14.8 | 48.5 | |



Suitable for Outdoor and Direct Burial applications.

| Plenum • FEP Insulation • Natural Flammarrest® Jacket | | | | | | | | | | | | | | | | | | | |
|---|--------------|--------------|--------|---------|------|------|----------------|------------|------|----------|------|------|----|-------|------|------|------|------|------|
| 60°C | 82241 | NEC: CMP | U-500 | U-152.4 | 18.5 | 8.4 | 23 AWG (solid) | .134 | 3.40 | BC Braid | .190 | 4.83 | 75 | 69.5% | 19.5 | 64.0 | 1 | .5 | 1.6 |
| 300V RMS (UL) | | CEC: CMP FT6 | U-1000 | U-304.8 | 36.0 | 16.3 | .023" | 97% Shield | | | | | | | | | 10 | 1.0 | 3.3 |
| 1700V RMS 75°C (non-UL) | | | 1000 | 304.8 | 34.0 | 15.4 | BCCS | Coverage | | | | | | | | | 50 | 2.3 | 7.5 |
| | | | | | | | 49.0Ω/M' | 2.6Ω/M' | | | | | | | | | 100 | 3.3 | 10.8 |
| | | | | | | | 160.7Ω/km | 8.5Ω/km | | | | | | | | | 200 | 5.2 | 17.1 |
| | | | | | | | | | | | | | | | | 400 | 8.4 | 27.6 | |
| | | | | | | | | | | | | | | | | 700 | 11.6 | 38.0 | |
| | | | | | | | | | | | | | | | | 900 | 13.8 | 45.3 | |
| | | | | | | | | | | | | | | | | 1000 | 14.8 | 48.5 | |



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

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of RG/U cables not listed.



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

Standard Analog Video Cable

75 Ohm Coax
RG-59/U Type



| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths | | Standard Unit Weight | | Conductor (stranding) Diameter Nom. DCR | Insulation Diameter | | 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 |

23 AWG Solid Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)

| Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | |
|--|-------------|------|--------|---------|------|------|-----------|------|------|------------|------|------|----|-----|------|------|------|------|------|
| UL AWM | 8263 | NEC: | U-500 | U-152.4 | 19.5 | 8.9 | 23 AWG | .146 | 3.71 | BC Braid | .242 | 6.15 | 75 | 66% | 20.5 | 67.3 | 1 | .6 | 2.0 |
| Style 1354 | | CMX: | U-1000 | U-304.8 | 38.0 | 17.2 | (solid) | | | 95% Shield | | | | | | | 10 | 1.1 | 3.6 |
| (30V 60°C) | | CEC: | 1000 | 304.8 | 39.0 | 17.7 | .023" | | | Coverage | | | | | | | 50 | 2.4 | 7.9 |
| VW-1 | | CMX: | | | | | BCCS | | | 2.6Ω/M' | | | | | | | 100 | 3.4 | 11.2 |
| | | | | | | | 49.0Ω/M' | | | 8.5Ω/km | | | | | | | 200 | 4.9 | 16.1 |
| | | | | | | | 160.7Ω/km | | | | | | | | | | 400 | 7.0 | 23.0 |
| | | | | | | | | | | | | | | | | | 700 | 9.7 | 31.8 |
| | | | | | | | | | | | | | | | | | 900 | 11.1 | 36.4 |
| | | | | | | | | | | | | | | | | | 1000 | 12.0 | 39.4 |

150V RMS (UL), 1700V RMS (non-UL)
Non-contaminating Black PVC Jacket. Suitable for Indoor and Outdoor applications.

22 AWG Solid Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (85% Coverage)

| Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | |
|--|-------------|------|--------|---------|-------|------|-----------|------|------|------------|------|------|----|-----|------|------|------|------|------|
| UL AWM | 9244 | NEC: | U-500 | U-152.4 | 18.0 | 8.2 | 22 AWG | .146 | 3.71 | BC Braid | .242 | 6.15 | 75 | 66% | 19.4 | 63.6 | 1 | .6 | 2.0 |
| Style 1354 | | CMX: | U-1000 | U-304.8 | 35.0 | 15.9 | (solid) | | | 85% Shield | | | | | | | 10 | 1.1 | 3.6 |
| (30V 80°C) | | CEC: | 1000 | 304.8 | 36.0 | 16.4 | .025" | | | Coverage | | | | | | | 50 | 2.4 | 7.9 |
| VW-1 | | CMX: | 3280 | 1000.0 | 118.1 | 53.8 | BCCS | | | 4.5Ω/M' | | | | | | | 100 | 3.4 | 11.2 |
| | | | | | | | 50.0Ω/M' | | | 14.8Ω/km | | | | | | | 200 | 4.9 | 16.1 |
| | | | | | | | 164.0Ω/km | | | | | | | | | | 400 | 7.0 | 23.0 |
| | | | | | | | | | | | | | | | | | 700 | 9.7 | 31.8 |
| | | | | | | | | | | | | | | | | | 900 | 11.1 | 36.4 |
| | | | | | | | | | | | | | | | | | 1000 | 12.0 | 39.4 |

150V RMS (UL), 1700V RMS (non-UL)
Suitable for Indoor and Outdoor applications.

Foam Polyethylene Insulation • Black PVC Jacket

| | | | | | | | | | | | | | | | | | | | |
|-------------------|-------------|---|--------|---------|------|------|-----------|------|------|------------|------|------|----|-----|------|------|------|-----|------|
| 75°C | 8221 | — | U-500 | U-152.4 | 18.5 | 8.4 | 22 AWG | .146 | 3.71 | BC Braid | .242 | 6.15 | 80 | 78% | 16.3 | 53.5 | 1 | .4 | 1.4 |
| 300V RMS (non-UL) | | | 500 | 152.4 | 17.0 | 7.7 | (solid) | | | 95% Shield | | | | | | | 10 | .9 | 3.0 |
| | | | U-1000 | U-304.8 | 36.0 | 16.3 | .025" | | | Coverage | | | | | | | 50 | 2.0 | 6.6 |
| | | | 1000 | 304.8 | 37.0 | 16.8 | BCCS | | | 2.6Ω/M' | | | | | | | 100 | 2.9 | 9.5 |
| | | | | | | | 50.0Ω/M' | | | 8.5Ω/km | | | | | | | 200 | 4.1 | 13.4 |
| | | | | | | | 164.0Ω/km | | | | | | | | | | 400 | 5.9 | 19.4 |
| | | | | | | | | | | | | | | | | | 700 | 7.8 | 25.6 |
| | | | | | | | | | | | | | | | | | 900 | 8.8 | 28.9 |
| | | | | | | | | | | | | | | | | | 1000 | 9.9 | 32.5 |

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

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

Standard Analog Video Cable

75 Ohm Coax
RG-59/U Type



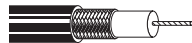
19 • Brilliance® Broadcast

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths | | Standard Unit Weight | | Conductor (stranding) Diameter Nom. DCR | Insulation Diameter | | 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 |

22 AWG Stranded (7x30) .030" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket

| | | | | | | | | | | | | | | | | | | | |
|------------|-------------|------|--------|---------|------|----------|--------|------|---------|------------|------|------|----|-----|------|------|------|------|-----|
| UL AWM | 9659 | NEC: | U-500 | U-152.4 | 19.0 | 8.6 | 22 AWG | .146 | 3.71 | BC Braid | .242 | 6.15 | 75 | 78% | 17.3 | 56.7 | 1 | .3 | 1.0 |
| Style 1354 | | CMX | U-1000 | U-304.8 | 37.0 | 16.8 | (7x30) | | | 95% Shield | | | | | | | 10 | .9 | 3.0 |
| (30V 80°C) | | CEC: | 1000 | 304.8 | 38.0 | 17.2 | .030" | | | Coverage | | | | | | | 50 | 2.1 | 6.9 |
| VW-1, FT-1 | | CMX | | | | | BC | | | 2.6Ω/M' | | | | | | | 100 | 3.0 | 9.8 |
| | | | | | | 15.0Ω/M' | | | 8.5Ω/km | | | | | | | 200 | 4.5 | 14.8 | |
| | | | | | | 49.2Ω/km | | | | | | | | | | 400 | 6.6 | 21.6 | |
| | | | | | | | | | | | | | | | | 700 | 8.9 | 29.2 | |
| | | | | | | | | | | | | | | | | 900 | 10.1 | 33.1 | |
| | | | | | | | | | | | | | | | | 1000 | 10.9 | 35.8 | |



Non-contaminating PVC Jacket. For CCTV, Indoor and Outdoor applications.

| | | | | | | | | | | | | | | | | | | | |
|---------------|-------------|------|--------|---------|------|------|----------|------|------|------------|------|------|----|-----|------|------|------|------|------|
| UL AWM | 9259 | NEC: | 100 | 30.5 | 4.1 | 1.9 | 22 AWG | .146 | 3.71 | BC Braid | .241 | 6.12 | 75 | 78% | 17.3 | 56.7 | 1 | .3 | 1.0 |
| Style 1354 | | CM | U-500 | U-152.4 | 18.0 | 8.2 | (7x30) | | | 95% Shield | | | | | | | 10 | .9 | 3.0 |
| (30V 80°C) | | CEC: | 500 | 152.4 | 16.5 | 7.5 | .030" | | | Coverage | | | | | | | 50 | 2.1 | 6.9 |
| 300V RMS (UL) | | CM | U-1000 | U-304.8 | 35.0 | 15.9 | BC | | | 2.6Ω/M' | | | | | | | 100 | 3.0 | 9.8 |
| | | | 1000 | 304.8 | 37.0 | 16.8 | 15.0Ω/M' | | | 8.5Ω/km | | | | | | | 200 | 4.5 | 14.8 |
| | | | | | | | 49.2Ω/km | | | | | | | | | | 400 | 6.6 | 21.7 |
| | | | | | | | | | | | | | | | | | 700 | 8.9 | 29.2 |
| | | | | | | | | | | | | | | | | | 900 | 10.1 | 33.1 |
| | | | | | | | | | | | | | | | | | 1000 | 10.9 | 35.8 |



For CCTV, Indoor and Outdoor applications.

Plenum • Foam FEP Insulation • Black FEP Jacket

| | | | | | | | | | | | | | | | | | | | |
|---------------|--------------|---------|------|-------|------|----------|--------|------|---------|------------|------|------|----|-----|------|------|------|------|------|
| 200°C | 89259 | NEC: | 100 | 30.5 | 5.1 | 2.3 | 22 AWG | .135 | 3.43 | BC Braid | .193 | 4.90 | 75 | 78% | 17.3 | 56.7 | 1 | .3 | 1.0 |
| 300V RMS (UL) | | CMP | 500 | 152.4 | 16.0 | 7.3 | (7x30) | | | 95% Shield | | | | | | | 10 | .9 | 3.0 |
| | | CEC: | 1000 | 304.8 | 32.0 | 14.5 | .030" | | | Coverage | | | | | | | 50 | 2.1 | 6.9 |
| | | CMP FT6 | | | | | BC | | | 2.6Ω/M' | | | | | | | 100 | 3.0 | 9.8 |
| | | | | | | 15.0Ω/M' | | | 8.5Ω/km | | | | | | | | 200 | 4.5 | 14.8 |
| | | | | | | 49.2Ω/km | | | | | | | | | | | 400 | 6.6 | 21.6 |
| | | | | | | | | | | | | | | | | | 700 | 9.0 | 29.5 |
| | | | | | | | | | | | | | | | | | 900 | 10.1 | 33.1 |
| | | | | | | | | | | | | | | | | | 1000 | 11.0 | 36.1 |



Suitable for Outdoor and Direct Burial applications.

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

| | | | | | | | | | | | | | | | | | | | |
|---------------|--------------|---------|--------|---------|------|----------|--------|------|---------|------------|------|------|----|-----|------|------|------|------|------|
| 75°C | 82259 | NEC: | U-1000 | U-304.8 | 31.0 | 14.1 | 22 AWG | .135 | 3.43 | BC Braid | .193 | 4.90 | 75 | 78% | 17.3 | 56.7 | 1 | .3 | 1.0 |
| 300V RMS (UL) | | CMP | 1000 | 304.8 | 30.0 | 13.6 | (7x30) | | | 95% Shield | | | | | | | 10 | .9 | 3.0 |
| | | CEC: | | | | | .030" | | | Coverage | | | | | | | 50 | 2.1 | 6.9 |
| | | CMP FT6 | | | | | BC | | | 2.6Ω/M' | | | | | | | 100 | 3.0 | 9.8 |
| | | | | | | 15.0Ω/M' | | | 8.5Ω/km | | | | | | | | 200 | 4.5 | 14.8 |
| | | | | | | 49.2Ω/km | | | | | | | | | | | 400 | 6.6 | 21.6 |
| | | | | | | | | | | | | | | | | | 700 | 9.0 | 29.5 |
| | | | | | | | | | | | | | | | | | 900 | 10.1 | 33.1 |
| | | | | | | | | | | | | | | | | | 1000 | 11.0 | 36.1 |



BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

Standard Analog Video Cable

75 Ohm Coax
RG-59/U Type



| 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 |

20 AWG Solid .032" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (80% Coverage)

| Foam Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | |
|---|------|---|-------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|------|------|------|
| 75°C | 9240 | — | 1000† | 304.8 | 31.0 | 14.1 | 20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km | .143 | 3.63 | BC Braid 80% Shield Coverage 5.6Ω/M' 18.4Ω/km | .241 | 6.12 | 75 | 78% | 17.3 | 56.7 | 1 | .6 | 2.0 |
| | | | | | | | | | | | | | | | | | 10 | 1.0 | 3.3 |
| | | | | | | | | | | | | | | | | | 50 | 2.1 | 6.9 |
| | | | | | | | | | | | | | | | | | 100 | 3.0 | 9.8 |
| | | | | | | | | | | | | | | | | | 200 | 4.5 | 14.8 |
| | | | | | | | | | | | | | | | | | 400 | 6.6 | 21.6 |
| | | | | | | | | | | | | | | | | | 700 | 8.9 | 29.2 |
| | | | | | | | | | | | | | | | | | 900 | 10.1 | 33.1 |
| | | | | | | | | | | | | | | | | | 1000 | 10.9 | 35.8 |

20 AWG Solid .032" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)

| Foam Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | | | |
|--|------|---|--------|---------|------|------|---|------|------|--|------|------|----|-----|------|------|------|------|------|-----|-----|-----|
| 80°C | 8212 | — | U-500 | U-152.4 | 16.5 | 7.5 | 20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km | .143 | 3.63 | BC Braid 95% Shield Coverage 2.6Ω/M' 8.5Ω/km | .242 | 6.15 | 75 | 78% | 17.3 | 56.7 | 1 | .6 | 2.0 | | | |
| | | | 500 | 152.4 | 15.0 | 6.8 | | | | | | | | | | | | | | 10 | 1.0 | 3.3 |
| | | | U-1000 | U-304.8 | 31.0 | 14.1 | | | | | | | | | | | | | | 50 | 2.1 | 6.9 |
| | | | 1000 | 304.8 | 33.0 | 15.0 | | | | | | | | | | | | | | 100 | 3.0 | 9.8 |
| | | | | | | | | | | | | | | | | | 200 | 4.5 | 14.8 | | | |
| | | | | | | | | | | | | | | | | | 400 | 6.6 | 21.6 | | | |
| | | | | | | | | | | | | | | | | | 700 | 8.9 | 29.2 | | | |
| | | | | | | | | | | | | | | | | | 900 | 10.1 | 33.1 | | | |
| | | | | | | | | | | | | | | | | | 1000 | 10.9 | 35.8 | | | |

Foam Polyethylene Insulation • Black PVC Jacket

| | | | | | | | | | | | | | | | | | | | | | | |
|------|------|--------------------------|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|------|------|------|----|-----|-----|
| 80°C | 9274 | NEC: CM CEC: CM | 500 | 152.4 | 15.5 | 7.0 | 20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km | .143 | 3.63 | BC Braid 95% Shield Coverage 3.5Ω/M' 11.5Ω/km | .240 | 6.10 | 75 | 82% | 16.3 | 53.5 | 1 | .6 | 2.0 | | | |
| | | | 1000 | 304.8 | 35.0 | 15.9 | | | | | | | | | | | | | | 10 | 1.0 | 3.3 |
| | | | | | | | | | | | | | | | | | 50 | 2.1 | 6.9 | | | |
| | | | | | | | | | | | | | | | | | 100 | 3.0 | 9.8 | | | |
| | | | | | | | | | | | | | | | | | 200 | 4.5 | 14.8 | | | |
| | | | | | | | | | | | | | | | | | 400 | 6.6 | 21.6 | | | |
| | | | | | | | | | | | | | | | | | 700 | 8.9 | 29.2 | | | |
| | | | | | | | | | | | | | | | | | 900 | 10.1 | 33.1 | | | |
| | | | | | | | | | | | | | | | | | 1000 | 10.9 | 35.8 | | | |

20 AWG Solid .032" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)

| Gas-injected Foam HDPE Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | | | | |
|--|-------|------------|--------|---------|------|------|--|------|------|--|------|------|----|-----|------|------|------|-----|------|----|----|-----|
| UL AWM Style 1354 (30V 75°C) 60°C (UL) | 1426A | NEC: CM | U-1000 | U-304.8 | 35.0 | 15.9 | 20 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km | .145 | 3.68 | BC Braid 95% Shield Coverage 2.6Ω/M' 8.5Ω/km | .242 | 6.15 | 75 | 83% | 16.3 | 53.5 | 1 | .3 | 1.0 | | | |
| | | | | | | | | | | | | | | | | | | | | 10 | .9 | 3.0 |
| | | | | | | | | | | | | | | | | | 50 | 1.9 | 6.2 | | | |
| | | | | | | | | | | | | | | | | | 100 | 2.6 | 8.5 | | | |
| | | | | | | | | | | | | | | | | | 200 | 3.6 | 11.8 | | | |
| | | | | | | | | | | | | | | | | | 400 | 5.0 | 16.4 | | | |
| | | | | | | | | | | | | | | | | | 700 | 7.0 | 23.0 | | | |
| | | | | | | | | | | | | | | | | | 900 | 8.0 | 26.3 | | | |
| | | | | | | | | | | | | | | | | | 1000 | 8.5 | 27.9 | | | |

Series 59 • 20 AWG Solid .032" Bare Copper-covered Steel Conductor • Duofoil® or Duobond® + Aluminum Braid Shield (40% Coverage)

| Gas-injected Foam Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | | | | |
|--|------|-------------------------------|---------|---------|------|------|---|------|------|---|------|------|----|-----|------|------|---------------------------|--|--|--------------------------------------|--|--|
| 80°C | 9275 | NEC: CATV CM CEC: CM | U-500 | U-152.4 | 12.0 | 5.5 | 20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km | .144 | 3.66 | Duofoil + 40% Aluminum Braid 17.0Ω/M' 55.8Ω/km | .237 | 6.02 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.88 | | | | | |
| | | | U-1000* | U-304.8 | 23.0 | 10.4 | | | | | | | | | | | | | | 100% Sweep tested. 5 MHz to 550 MHz. | | |
| | | | 1000 | 304.8 | 24.0 | 10.9 | | | | | | | | | | | | | | | | |

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

| | | | | | | | | | | | | | | | | | | | | | | |
|------|------|-------------------------------|---------|---------|------|------|---|------|------|--|------|------|----|-----|------|------|---------------------------|--|--|------------------------------------|--|--|
| 80°C | 9100 | NEC: CATV CM CEC: CM | U-500 | U-152.4 | 12.0 | 5.5 | 20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km | .144 | 3.66 | Duobond II + 40% Aluminum Braid 17.0Ω/M' 55.8Ω/km | .237 | 6.02 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.88 | | | | | |
| | | | U-1000* | U-304.8 | 23.0 | 10.4 | | | | | | | | | | | | | | 100% Sweep tested. 5 MHz to 1 GHz. | | |
| | | | 1000 | 304.8 | 24.0 | 10.9 | | | | | | | | | | | | | | | | |

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

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

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of RG/U cables not listed.

†Spools and/or UnReel® cartons are one piece, but length may vary ±5% from length shown.



Standard Analog Video Cable

75 Ohm Coax
RG-6/U Type



19 • Brilliance® Broadcast

| 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 |

21 AWG Solid .028" Bare Copper-covered Steel Conductor • Bare Copper Double Braid Shields (98% Coverage)

| Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | |
|--|-------------|---|------|-------|------|------|----------------------------|------|------|--|------|------|----|-----|------|------|---|----|-----|
| MATV Cable 80°C | 8215 | — | 1000 | 304.8 | 74.0 | 33.6 | 21 AWG (solid) .028" | .185 | 4.70 | (2) BC Braids 98% Shield Coverage | .332 | 8.43 | 75 | 66% | 20.5 | 67.2 | 1 | .4 | 1.3 |
| | | | | | | | | | | | | | | | | | | | |
| 100% Sweep tested. 5 MHz to 450 MHz. | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | | | |

18 AWG Solid .037" Bare Copper Conductor • Bare Copper Double Braid Shields (98% Coverage)

| Foam Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | |
|--|-------------|--------------------------|--------------|----------------|---------------|--------------|----------------------------|------|------|--|------|------|----|-----|------|------|---|----|----|
| 80°C | 9290 | NEC: CM CEC: CM | 1000 2000 | 304.8 609.6 | 59.0 118.0 | 26.8 53.5 | 18 AWG (solid) .037" | .180 | 4.57 | (2) BC Braids 98% Shield Coverage | .288 | 7.32 | 75 | 81% | 17.3 | 56.7 | 1 | .2 | .7 |
| | | | | | | | | | | | | | | | | | | | |
| 100% Sweep tested. 5 MHz to 450 MHz. | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | | | |

Suitable for Indoor and Outdoor applications.

18 AWG Solid .040" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (60% Coverage)

| Gas-injected Foam HDPE Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | |
|---|-------------|--------------------------|--------------|------------------|--------------|------------|----------------------------|------|------|------------------------------|------|------|----|-----|------|------|---|----|-----|
| UL AWM Style 1354 (30V 80°C) | 9248 | NEC: CM CEC: CM | U-500 500 | U-152.4 152.4 | 16.5 15.0 | 7.5 6.8 | 18 AWG (solid) .040" | .180 | 4.57 | Duofoil + 60% TC Braid | .270 | 6.86 | 75 | 82% | 16.2 | 53.1 | 1 | .3 | 1.0 |
| | | | | | | | | | | | | | | | | | | | |
| 100% Sweep tested. 5 MHz to 450 MHz. | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | | | |

18 AWG Solid .040" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (65% Coverage)

| Plenum • Foam FEP Insulation • Black FEP Jacket | | | | | | | | | | | | | | | | | | | |
|--|--------------|--------------------------------|---------------------|-------------------------|----------------------|---------------------|----------------------------|------|------|------------------------------|------|------|----|-----|------|------|---|----|-----|
| 200°C | 89248 | NEC: CMP CEC: CMP FT6 | 500 1000 2000 | 152.4 304.8 609.6 | 15.0 33.0 64.0 | 6.8 15.0 29.0 | 18 AWG (solid) .040" | .170 | 4.32 | Duofoil + 65% TC Braid | .222 | 5.64 | 75 | 82% | 16.5 | 54.1 | 1 | .3 | 1.0 |
| | | | | | | | | | | | | | | | | | | | |
| 100% Sweep tested. 5 MHz to 450 MHz. | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | | | |

Suitable for Outdoor and Direct Burial applications.

| Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket | | | | | | | | | | | | | | | | | | | |
|--|--------------|--------------------------------|----------------|------------------|--------------|--------------|----------------------------|------|------|------------------------------|------|------|----|-----|------|------|---|----|-----|
| 75°C | 82248 | NEC: CMP CEC: CMP FT6 | U-1000 1000 | U-304.8 304.8 | 29.0 31.0 | 13.2 14.1 | 18 AWG (solid) .040" | .170 | 4.32 | Duofoil + 65% TC Braid | .222 | 5.64 | 75 | 82% | 16.5 | 54.1 | 1 | .3 | 1.0 |
| | | | | | | | | | | | | | | | | | | | |
| 100% Sweep tested. 5 MHz to 450 MHz. | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | | | |

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.



Standard Analog Video Cable

75 Ohm Coax
RG-11/U Type



| 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 |

18 AWG Stranded (7x26) .048" Tinned Copper Conductor • Bare Copper Braid Shield (97% Coverage)

| Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | |
|---|-------------|--------------------------|-------------|----------------|---------------|--------------|--|------|------|--|------|-------|----|-----|------|------|--|---|--|
| 80°C | 8238 | NEC: CM CEC: CM | 500 1000 | 152.4 304.8 | 59.0 117.0 | 26.8 53.2 | 18 AWG (7x26) .048" TC 6.1Ω/M' 20.0Ω/km | .285 | 7.24 | BC Braid 97% Shield Coverage 1.2Ω/M' 3.9Ω/km | .405 | 10.29 | 75 | 66% | 20.5 | 67.2 | 1 10 50 100 200 400 700 900 1000 | .2 .7 1.3 2.0 2.9 4.2 5.8 6.8 7.1 | .6 2.2 4.3 6.6 9.5 13.8 19.0 22.3 23.3 |

Suitable for Indoor and Outdoor applications.

| Polyethylene Insulation • Black PVC Jacket* | | | | | | | | | | | | | | | | | | | |
|--|-------------|-------------|-------------|----------------|---------------|--------------|--|------|------|--|------|-------|----|-----|------|------|--|---|--|
| 60°C | 8261 | CEC: CXC | 500 1000 | 152.4 304.8 | 52.5 104.0 | 23.9 47.3 | 18 AWG (7x26) .048" TC 6.1Ω/M' 20.0Ω/km | .285 | 7.24 | BC Braid 97% Shield Coverage 1.2Ω/M' 3.9Ω/km | .405 | 10.29 | 75 | 66% | 20.5 | 67.2 | 1 10 50 100 200 400 700 900 1000 | .2 .7 1.3 2.0 2.9 4.2 5.8 6.8 7.1 | .6 2.2 4.3 6.6 9.5 13.8 19.0 22.3 23.3 |

*Non-contaminating PVC jacket. Suitable for Indoor and Outdoor applications.

14 AWG Solid .064" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (60% Coverage)

| Gas-injected Foam HDPE Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | |
|---|-------------|---|------|-------|------|------|--|------|------|--|------|-------|----|-----|------|------|--|--|---|
| 80°C | 9292 | — | 1000 | 304.8 | 75.0 | 36.8 | 14 AWG (solid) .064" BC 2.6Ω/M' 8.5Ω/km | .280 | 7.11 | Duofoil + 60% TC Braid 3.0Ω/M' 9.8Ω/km | .405 | 10.29 | 75 | 84% | 16.1 | 52.8 | 1 10 50 100 200 400 700 900 1000 | .2 .5 .9 1.3 1.6 2.3 3.3 4.0 4.3 | .6 1.6 3.0 4.3 5.3 7.6 10.8 13.1 14.1 |

Suitable for Indoor and Outdoor applications.

14 AWG Solid .064" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (63% Coverage)

| Plenum • Foam FEP Insulation • Black FEP Jacket | | | | | | | | | | | | | | | | | | | |
|--|--------------|---|---------------|----------------|--------------|--------------|--|------|------|--|------|------|----|-----|------|------|--|---|--|
| 200°C | 89292 | NEC: CMP CATVP CEC: CMP FT6 | 500† 1000† | 152.4 304.8 | 40.5 81.0 | 18.4 36.7 | 14 AWG (solid) .064" BC 2.5Ω/M' 8.2Ω/km | .274 | 6.96 | Duofoil + 63% TC Braid 3.0Ω/M' 9.8Ω/km | .346 | 8.79 | 75 | 83% | 16.2 | 53.1 | 1 10 50 100 200 400 700 900 1000 | .2 .4 1.0 1.5 2.2 3.3 4.5 5.2 5.5 | .5 1.3 3.3 4.9 7.2 10.8 14.8 17.1 18.0 |

14 AWG Solid .064" Bare Copper Conductor • Bare Copper Braid Shield (97% Coverage)

| Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | |
|--|-------------|---|---------------------|-------------------------|-----------------------|----------------------|--|------|------|--|------|-------|----|-----|------|------|--|--|---|
| 80°C | 8213 | — | 500 1000 2000 | 152.4 304.8 609.6 | 44.0 87.0 172.0 | 20.0 39.5 78.2 | 14 AWG (solid) .064" BC 2.6Ω/M' 8.5Ω/km | .285 | 7.24 | BC Braid 97% Shield Coverage 1.1Ω/M' 3.6Ω/km | .405 | 10.29 | 75 | 84% | 16.1 | 52.8 | 1 10 50 100 200 400 700 900 1000 | .2 .4 .9 1.3 1.9 2.9 4.1 4.8 5.2 | .6 1.1 3.0 4.3 6.2 9.5 13.5 15.7 17.1 |

Suitable for Indoor and Outdoor applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper
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†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

