

Precision Video Cable for Analog and Digital

Sub-Miniature 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 |

25 AWG Stranded (19x37) .021" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*

| | | | | | | | | | | | | | | | | | | | |
|------|--------------|--------------------------------|------|-------|------|-----|--|------|------|---|------|------|----|-----|------|------|------|------|------|
| 75°C | 1865A | NEC: CMR CEC: CMG FT4 | 1000 | 304.8 | 14.0 | 6.4 | 25 AWG (19x37) .021" BC 27.4Ω/M' 89.9Ω/km | .094 | 2.39 | Duofoil + 95% TC Braid 5.4Ω/M' 17.7Ω/km | .150 | 3.81 | 75 | 82% | 16.5 | 54.1 | 1 | .5 | 1.5 |
| | | | | | | | | | | | | | | | | | 3.6 | 1.0 | 3.1 |
| | | | | | | | | | | | | | | | | | 10 | 1.6 | 5.2 |
| | | | | | | | | | | | | | | | | | 71.5 | 3.7 | 12.1 |
| | | | | | | | | | | | | | | | | | 135 | 5.0 | 16.4 |
| | | | | | | | | | | | | | | | | | 270 | 7.1 | 23.3 |
| | | | | | | | | | | | | | | | | | 360 | 8.2 | 26.9 |
| | | | | | | | | | | | | | | | | | 540 | 10.1 | 33.1 |
| | | | | | | | | | | | | | | | | | 720 | 11.8 | 38.7 |
| | | | | | | | | | | | | | | | | | 750 | 12.0 | 39.4 |
| | | | | | | | | | | | | | | | | | 1000 | 13.9 | 45.6 |
| | | | | | | | | | | | | | | | | | 1500 | 17.0 | 55.8 |
| | | | | | | | | | | | | | | | | | 2250 | 20.8 | 68.2 |
| | | | | | | | | | | | | | | | | | 3000 | 24.0 | 78.7 |

23 AWG Solid .023" Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*

| | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--------------|--------------------------------|------------------|-------|-----|-----|--|------|------|---|------|------|----|-----|------|------|------|------|------|
| SDI/HDTV Digital Video 75°C | 1855A | NEC: CMR CEC: CMG FT4 | 500 [▲] | 152.4 | 9.0 | 4.1 | 23 AWG (solid) .023" BC 20.1Ω/M' 65.9Ω/km | .102 | 2.59 | Duofoil + 95% TC Braid 7.6Ω/M' 24.9Ω/km | .159 | 4.03 | 75 | 82% | 16.3 | 53.5 | 1 | .4 | 1.3 |
| | | | | | | | | | | | | | | | | | 3.6 | .8 | 2.6 |
| | | | | | | | | | | | | | | | | | 10 | 1.2 | 3.9 |
| | | | | | | | | | | | | | | | | | 71.5 | 3.1 | 10.0 |
| | | | | | | | | | | | | | | | | | 135 | 3.8 | 12.5 |
| | | | | | | | | | | | | | | | | | 270 | 5.4 | 17.7 |
| | | | | | | | | | | | | | | | | | 360 | 6.2 | 20.3 |
| | | | | | | | | | | | | | | | | | 540 | 7.7 | 25.3 |
| | | | | | | | | | | | | | | | | | 720 | 9.5 | 31.1 |
| | | | | | | | | | | | | | | | | | 750 | 9.6 | 31.5 |
| | | | | | | | | | | | | | | | | | 1000 | 10.5 | 34.4 |
| | | | | | | | | | | | | | | | | | 1500 | 13.0 | 42.6 |
| | | | | | | | | | | | | | | | | | 2250 | 16.0 | 52.5 |
| | | | | | | | | | | | | | | | | | 3000 | 18.5 | 60.7 |

*500 ft. put-up available in Black only.

BC = Bare Copper • DCR = DC Resistance • HDPE = Foam 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.

*Available in Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black.

Precision Video Cable for Analog and Digital

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 |

23 AWG Stranded (7x32) .023" Bare Compacted Copper* • Tinned Copper Braid Shield (95% Coverage)

| Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | |
|--|-------------|---|------|-------|------|------|---------------|------|------|---------------------|------|------|----|-----|------|------|------|------|------|
| 80°C | 8279 | — | 500 | 152.4 | 13.0 | 5.9 | 23 AWG (7x32) | .146 | 3.71 | TC + 95% Shield | .220 | 5.59 | 75 | 66% | 21.0 | 68.9 | 1 | .4 | 1.1 |
| | | | 1000 | 304.8 | 29.0 | 13.2 | .023" BCC | | | 19.1Ω/M' / 62.6Ω/km | | | | | | | 3.6 | .6 | 2.0 |
| | | | | | | | | | | 4.5Ω/M' / 14.8Ω/km | | | | | | | 10.0 | 1.2 | 3.9 |
| | | | | | | | | | | | | | | | | | 71.5 | 3.3 | 10.8 |
| | | | | | | | | | | | | | | | | | 135 | 4.7 | 15.4 |
| | | | | | | | | | | | | | | | | | 270 | 6.8 | 22.3 |
| | | | | | | | | | | | | | | | | | 360 | 8.0 | 26.2 |
| | | | | | | | | | | | | | | | | | 540 | 9.9 | 32.5 |
| | | | | | | | | | | | | | | | | | 720 | 11.6 | 38.0 |
| | | | | | | | | | | | | | | | | | 750 | 11.9 | 39.0 |
| | | | | | | | | | | | | | | | | | 1000 | 13.8 | 45.3 |

23 AWG Solid .022" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

| Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | |
|--|-------------|---|--------|---------|------|------|----------------|------|------|------------------------|------|------|----|-----|------|------|------|------|------|
| 80°C | 9209 | — | U-500 | U-152.4 | 15.0 | 6.8 | 23 AWG (solid) | .146 | 3.71 | Duofoil + 95% TC Braid | .220 | 5.59 | 75 | 66% | 21.0 | 68.9 | 1 | .4 | 1.2 |
| | | | U-1000 | U-304.8 | 29.0 | 13.2 | .022" BC | | | 4.5Ω/M' / 14.8Ω/km | | | | | | | 3.6 | .5 | 1.8 |
| | | | | | | | | | | 20.4Ω/M' / 66.9Ω/km | | | | | | | 10.0 | 1.2 | 3.8 |
| | | | | | | | | | | | | | | | | | 71.5 | 2.9 | 9.5 |
| | | | | | | | | | | | | | | | | | 135 | 4.0 | 13.0 |
| | | | | | | | | | | | | | | | | | 270 | 5.6 | 18.4 |
| | | | | | | | | | | | | | | | | | 360 | 6.6 | 21.5 |
| | | | | | | | | | | | | | | | | | 540 | 8.3 | 27.2 |
| | | | | | | | | | | | | | | | | | 720 | 9.7 | 31.7 |
| | | | | | | | | | | | | | | | | | 750 | 9.9 | 32.5 |
| | | | | | | | | | | | | | | | | | 1000 | 11.6 | 38.0 |

| Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | |
|---|--------------|--------------------------|--------|---------|------|------|----------------|------|------|------------------------|------|------|----|-----|------|------|------|------|------|
| UL AWM Style 1354 (30V 75°C) | 9209A | NEC: CMR CEC: CMG FT4 | U-1000 | U-304.8 | 35.0 | 15.9 | 23 AWG (solid) | .146 | 3.71 | Duofoil + 95% TC Braid | .220 | 5.59 | 75 | 66% | 20.5 | 67.2 | 1 | .4 | 1.2 |
| | | | | | | | .022" BC | | | 4.5Ω/M' / 14.8Ω/km | | | | | | | 3.6 | .5 | 1.8 |
| | | | | | | | | | | 20.4Ω/M' / 66.9Ω/km | | | | | | | 10.0 | 1.2 | 3.8 |
| | | | | | | | | | | | | | | | | | 71.5 | 2.9 | 9.5 |
| | | | | | | | | | | | | | | | | | 135 | 4.0 | 13.0 |
| | | | | | | | | | | | | | | | | | 270 | 5.6 | 18.4 |
| | | | | | | | | | | | | | | | | | 360 | 6.6 | 21.5 |
| | | | | | | | | | | | | | | | | | 540 | 8.6 | 28.3 |
| | | | | | | | | | | | | | | | | | 720 | 10.1 | 33.2 |
| | | | | | | | | | | | | | | | | | 750 | 10.4 | 34.1 |
| | | | | | | | | | | | | | | | | | 1000 | 12.8 | 41.9 |

BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • 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.

*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

Precision Video Cable for Analog and Digital

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 Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*

| | | | | | | | | | | | | | | | | | | | |
|---------------|--------------|---------|-------------------|--------|-------|------|----------------|----------|----------|--|---|------|----|-----|------|------|------|------|------|
| SDI/HDTV | 1505A | NEC: | 500 [▲] | 152.4 | 17.0 | 8.0 | 20 AWG (solid) | .145 | 3.68 | Duofoil + 95% | .233 | 5.92 | 75 | 83% | 16.3 | 53.5 | 1 | .3 | 1.0 |
| Digital Video | | CMR | 1000 | 304.8 | 35.0 | 16.4 | | | TC Braid | | | | | | | | 3.6 | .6 | 1.8 |
| 75°C | | CEC: | 5000 [▼] | 1524.0 | 165.0 | 74.8 | .032" | | BC | 3.8Ω/M' | | | | | | | 10 | .9 | 2.9 |
| | | CMG FT4 | | | | | | | 10.0Ω/M' | 12.5Ω/km | For Plenum version of 1505A, see 1506A. | | | | | | 71.5 | 2.1 | 6.9 |
| | | | | | | | | 32.8Ω/km | | Also available in bundled versions. See 7794A through 7798A. | | | | | | | 135 | 2.7 | 8.9 |
| | | | | | | | | | | 100% Sweep tested. 5 MHz to 3 GHz. | | | | | | | 270 | 3.8 | 12.5 |
| | | | | | | | | | | | | | | | | | 360 | 4.4 | 14.4 |
| | | | | | | | | | | | | | | | | | 540 | 5.5 | 18.0 |
| | | | | | | | | | | | | | | | | | 720 | 6.4 | 21.0 |
| | | | | | | | | | | | | | | | | | 750 | 6.5 | 21.3 |
| | | | | | | | | | | | | | | | | | 1000 | 7.6 | 24.9 |
| | | | | | | | | | | | | | | | | | 1500 | 9.3 | 30.5 |
| | | | | | | | | | | | | | | | | | 2250 | 11.6 | 38.0 |
| | | | | | | | | | | | | | | | | | 3000 | 13.4 | 44.0 |

*500 ft. put-up available in Black, Red or Blue only.

▼5000 ft. put-up may vary in length by -0 to +10%.

▲1000 ft. and 5000 ft. put-ups available in all ten colors: Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or White.

22 AWG Stranded (7x29) .031" Bare Compacted Copper Conductor* • Tinned Copper/Bare Copper Double Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • PVC Jacket (Matte Black, Red, Green, Blue, Yellow, Orange, White or Purple)

| | | | | | | | | | | | | | | | | | | | |
|-------------|--------------|------|------|-------|------|------|---------------|----------|--------------|------------------------------------|------|------|----|-----|------|------|------|------|------|
| High-Flex | 1505F | NEC: | 1000 | 304.8 | 45.0 | 20.4 | 22 AWG (7x29) | .145 | 3.68 | TC Double Braid | .242 | 6.15 | 75 | 80% | 17.0 | 55.7 | 1 | .2 | .7 |
| SDI/HDTV | | CM | | | | | | | 95% Shield | | | | | | | | 3.6 | .5 | 1.6 |
| Video Patch | | CEC: | | | | | .031" | | BCC Coverage | | | | | | | | 71.5 | 2.5 | 8.2 |
| 75°C | | CM | | | | | | | 12.2Ω/M' | 2.4Ω/M' | | | | | | | 135 | 3.5 | 11.5 |
| | | | | | | | | 40.0Ω/km | 7.8Ω/km | 100% Sweep tested. 5 MHz to 3 GHz. | | | | | | | 270 | 5.1 | 16.7 |
| | | | | | | | | | | | | | | | | | 360 | 6.0 | 19.7 |
| | | | | | | | | | | | | | | | | | 540 | 7.4 | 24.3 |
| | | | | | | | | | | | | | | | | | 720 | 8.7 | 28.5 |
| | | | | | | | | | | | | | | | | | 750 | 8.9 | 29.2 |
| | | | | | | | | | | | | | | | | | 1000 | 10.5 | 34.4 |
| | | | | | | | | | | | | | | | | | 1500 | 13.3 | 43.6 |
| | | | | | | | | | | | | | | | | | 2250 | 16.9 | 55.4 |
| | | | | | | | | | | | | | | | | | 3000 | 20.3 | 66.6 |

*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

20 AWG Solid .032" Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

Plenum • Foam FEP Insulation • Flamarest® Jacket (Available in 10 colors)*

| | | | | | | | | | | | | | | | | | | | |
|---------------|--------------|---------|--------------------|-------|------|------|----------------|----------|----------|------------------------------------|------|------|----|-----|------|------|------|------|------|
| SDI/HDTV | 1506A | NEC: | 500 ^{†*} | 152.4 | 14.5 | 6.6 | 20 AWG (solid) | .133 | 3.38 | Duofoil + 95% | .196 | 4.93 | 75 | 84% | 16.1 | 52.8 | 1 | .3 | 1.0 |
| Digital Video | | CMP | 1000 ^{†*} | 304.8 | 29.0 | 13.2 | | | TC Braid | | | | | | | | 3.6 | .6 | 2.0 |
| 75°C | | CEC: | | | | | .032" | | BC | 3.8Ω/M' | | | | | | | 71.5 | 2.3 | 7.4 |
| | | CMF FT6 | | | | | | | 10.0Ω/M' | 10.5Ω/km | | | | | | | 135 | 3.2 | 10.5 |
| | | | | | | | | 32.8Ω/km | | 100% Sweep tested. 5 MHz to 3 GHz. | | | | | | | 270 | 4.6 | 14.9 |
| | | | | | | | | | | | | | | | | | 360 | 5.3 | 17.2 |
| | | | | | | | | | | | | | | | | | 540 | 6.4 | 21.0 |
| | | | | | | | | | | | | | | | | | 720 | 7.3 | 23.9 |
| | | | | | | | | | | | | | | | | | 750 | 7.5 | 24.6 |
| | | | | | | | | | | | | | | | | | 1000 | 9.4 | 30.8 |
| | | | | | | | | | | | | | | | | | 1500 | 12.8 | 42.0 |
| | | | | | | | | | | | | | | | | | 2250 | 17.5 | 57.4 |
| | | | | | | | | | | | | | | | | | 3000 | 21.9 | 71.8 |

Suitable for Outdoor and Direct Burial applications.

*500 ft. put-up available in Black or Natural only.

†1000 ft. put-up available in all ten colors: Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or Natural.

20 AWG Solid .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)

Polyethylene Insulation • Gray PVC Jacket

| | | | | | | | | | | | | | | | | | | | |
|------|-------------|---------|------|-------|------|------|----------------|----------|-------------|--------------------------------------|------|------|----|-----|------|------|------|-----|------|
| 60°C | 9231 | NEC: | 500 | 152.4 | 39.0 | 17.7 | 20 AWG (solid) | .198 | 5.03 | TC Double Braid | .305 | 7.75 | 75 | 66% | 21.0 | 68.9 | 1 | .3 | 1.0 |
| VW-1 | | CMH | 1000 | 304.8 | 76.0 | 34.5 | | | 98% Shield | | | | | | | | 3.6 | .5 | 1.6 |
| | | CEC: | | | | | .031" | | BC Coverage | | | | | | | | 10.0 | .8 | 2.6 |
| | | CMH FT1 | | | | | | | 9.9Ω/M' | 1.1Ω/M' | | | | | | | 71.5 | 2.0 | 6.6 |
| | | | | | | | | 32.5Ω/km | 3.6Ω/km | 100% Sweep tested. 5 MHz to 850 MHz. | | | | | | | 135 | 3.5 | 11.5 |
| | | | | | | | | | | | | | | | | | 270 | 4.3 | 14.1 |
| | | | | | | | | | | | | | | | | | 360 | 5.0 | 16.4 |
| | | | | | | | | | | | | | | | | | 540 | 6.2 | 20.3 |
| | | | | | | | | | | | | | | | | | 720 | 7.2 | 23.6 |
| | | | | | | | | | | | | | | | | | 750 | 7.4 | 24.3 |
| | | | | | | | | | | | | | | | | | 1000 | 9.1 | 29.8 |

BC = Bare Copper • BCC = Bare Compacted Copper • 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.

†Final put-up length may vary ±10% for spools or reels, ±5% for Unreel cartons from length shown.

Precision Video Cable for Analog and Digital

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 .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage) (continued)

| Polyethylene Insulation • Clear Polyethylene Jacket | | | | | | | | | | | | | | | | | | | |
|--|-------------|---|------|-------|------|------|-------------------------|------|------|---|------|------|----|-----|------|------|------|-----|------|
| Indoor Use 80°C | 9141 | — | 1000 | 304.8 | 73.0 | 33.2 | 20 AWG (solid) .031" | .200 | 5.06 | TC Double Braid 98% Shield Coverage BC 9.9Ω/M' 32.5Ω/km | .305 | 7.75 | 75 | 66% | 20.0 | 65.6 | 1 | .3 | 1.0 |
| | | | | | | | | | | | | | | | | | 3.6 | .5 | 1.6 |
| | | | | | | | | | | | | | | | | | 10.0 | .8 | 2.6 |
| | | | | | | | | | | | | | | | | | 71.5 | 2.0 | 6.6 |
| | | | | | | | | | | | | | | | | | 135 | 3.5 | 11.5 |
| | | | | | | | | | | | | | | | | | 270 | 4.3 | 14.1 |
| | | | | | | | | | | | | | | | | | 360 | 5.0 | 16.4 |
| | | | | | | | | | | | | | | | | | 540 | 6.2 | 20.3 |
| | | | | | | | | | | | | | | | | | 720 | 7.2 | 23.6 |
| | | | | | | | | | | | | | | | | | 750 | 7.4 | 24.3 |
| | | | | | | | | | | | | | | | | | 1000 | 9.1 | 29.8 |

20 AWG Solid .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)

| Polyethylene Insulation • Polyethylene Jacket (Available in Red, Yellow, Green, Blue, White, Orange or Black) | | | | | | | | | | | | | | | | | | | |
|--|-------------|---|--------------------------|----------------|--------------|--------------|-------------------------|------|------|---|------|------|----|-----|------|------|------|-----|------|
| 80°C | 8281 | — | 500 [▲] 1000 | 152.4 304.8 | 37.5 74.0 | 17.8 33.6 | 20 AWG (solid) .031" | .198 | 5.03 | TC Double Braid 98% Shield Coverage BC 9.9Ω/M' 32.5Ω/km | .305 | 7.75 | 75 | 66% | 21.0 | 68.9 | 1 | .3 | .8 |
| | | | | | | | | | | | | | | | | | 3.6 | .5 | 1.8 |
| | | | | | | | | | | | | | | | | | 10.0 | .8 | 2.6 |
| | | | | | | | | | | | | | | | | | 71.5 | 2.1 | 6.9 |
| | | | | | | | | | | | | | | | | | 135 | 3.0 | 9.8 |
| | | | | | | | | | | | | | | | | | 270 | 4.3 | 14.1 |
| | | | | | | | | | | | | | | | | | 360 | 5.1 | 16.6 |
| | | | | | | | | | | | | | | | | | 540 | 6.3 | 20.7 |
| | | | | | | | | | | | | | | | | | 720 | 7.4 | 24.3 |
| | | | | | | | | | | | | | | | | | 750 | 7.6 | 24.9 |
| | | | | | | | | | | | | | | | | | 1000 | 9.2 | 30.2 |

[▲]500 ft. put-up not available in White.

| Flame-retardant Semi-foam Polyethylene Insulation • PVC Jacket (Available in 9 colors)* | | | | | | | | | | | | | | | | | | | |
|--|--------------|--------------------------|------|-------|------|------|-------------------------|------|------|---|------|------|----|-----|------|------|------|------|------|
| UL AWM Style 1354 (30V 80°C) | 8281B | NEC: CMR CEC: CMG FT4 | 1000 | 304.8 | 84.0 | 38.1 | 20 AWG (solid) .031" | .198 | 5.03 | TC Double Braid 98% Shield Coverage BC 9.9Ω/M' 32.5Ω/km | .305 | 7.75 | 75 | 66% | 21.0 | 68.9 | 1 | .3 | .8 |
| | | | | | | | | | | | | | | | | | 3.6 | .5 | 1.8 |
| | | | | | | | | | | | | | | | | | 10.0 | .8 | 2.6 |
| | | | | | | | | | | | | | | | | | 71.5 | 2.1 | 6.9 |
| | | | | | | | | | | | | | | | | | 135 | 3.0 | 9.8 |
| | | | | | | | | | | | | | | | | | 270 | 4.4 | 14.4 |
| | | | | | | | | | | | | | | | | | 360 | 5.1 | 16.6 |
| | | | | | | | | | | | | | | | | | 540 | 6.6 | 21.5 |
| | | | | | | | | | | | | | | | | | 720 | 7.8 | 25.4 |
| | | | | | | | | | | | | | | | | | 750 | 8.0 | 26.2 |
| | | | | | | | | | | | | | | | | | 1000 | 10.2 | 33.5 |

*8281B available in Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black.

22 AWG Stranded (7x29) .031" Bare Compacted Copper Conductor* • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)

| Polyethylene Insulation • PVC Jacket (Matte Red, Blue, Green, Gray or Black) | | | | | | | | | | | | | | | | | | | |
|---|--------------|---|--------------------------|----------------|--------------|--------------|------------------------|------|------|---|------|------|----|-----|------|------|------|------|------|
| High-Flex 60°C | 8281F | — | 500 [•] 1000 | 152.4 304.8 | 34.5 67.0 | 15.7 30.4 | 22 AWG (7x29) .031" | .193 | 4.90 | TC Double Braid 98% Shield Coverage BCC 12.2Ω/M' 40.0Ω/km | .305 | 7.75 | 75 | 66% | 21.0 | 68.9 | 1 | .3 | .9 |
| | | | | | | | | | | | | | | | | | 3.6 | .5 | 1.7 |
| | | | | | | | | | | | | | | | | | 10.0 | .9 | 2.9 |
| | | | | | | | | | | | | | | | | | 71.5 | 2.5 | 8.0 |
| | | | | | | | | | | | | | | | | | 135 | 3.6 | 11.6 |
| | | | | | | | | | | | | | | | | | 270 | 5.1 | 16.7 |
| | | | | | | | | | | | | | | | | | 360 | 6.0 | 19.7 |
| | | | | | | | | | | | | | | | | | 540 | 7.4 | 24.3 |
| | | | | | | | | | | | | | | | | | 720 | 8.7 | 28.5 |
| | | | | | | | | | | | | | | | | | 750 | 8.9 | 29.2 |
| | | | | | | | | | | | | | | | | | 1000 | 10.5 | 34.4 |

[•]500 ft. put-up available in Black only.

20 AWG Solid .032" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)

| Plenum • FEP Insulation • Black Fluorocopolymer Jacket | | | | | | | | | | | | | | | | | | | |
|---|--------------|--------------------------|-------------|----------------|--------------|--------------|-------------------------|------|------|---|------|------|----|-----|------|------|------|------|------|
| 150°C | 88281 | NEC: CMP CEC: CMP FT6 | 500 1000 | 152.4 304.8 | 44.5 86.0 | 20.2 39.1 | 20 AWG (solid) .032" | .185 | 4.70 | TC Double Braid 98% Shield Coverage BC 9.9Ω/M' 32.5Ω/km | .271 | 6.88 | 75 | 71% | 19.0 | 62.4 | 1 | .2 | .7 |
| | | | | | | | | | | | | | | | | | 3.6 | .5 | 1.6 |
| | | | | | | | | | | | | | | | | | 10.0 | .8 | 2.6 |
| | | | | | | | | | | | | | | | | | 71.5 | 2.3 | 7.5 |
| | | | | | | | | | | | | | | | | | 135 | 3.3 | 10.8 |
| | | | | | | | | | | | | | | | | | 270 | 5.1 | 16.7 |
| | | | | | | | | | | | | | | | | | 360 | 6.1 | 20.0 |
| | | | | | | | | | | | | | | | | | 540 | 8.0 | 26.2 |
| | | | | | | | | | | | | | | | | | 720 | 9.7 | 31.8 |
| | | | | | | | | | | | | | | | | | 750 | 10.0 | 32.8 |
| | | | | | | | | | | | | | | | | | 1000 | 12.3 | 40.3 |

Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • BCC = Bare Compacted Copper • 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.

*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.



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

