

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 |
|  | | | | | | | 32.0Ω/M' 105.0Ω/km | | | 1.1Ω/M' 3.6Ω/km | | | | | 100% Sweep tested. 5 MHz to 450 MHz. | | 10 | .8 | 2.6 |
| | | | | | | | | | | | | | | | | | 50 | 1.9 | 6.2 |
| | | | | | | | | | | | | | | | | | 100 | 2.7 | 8.9 |
| | | | | | | | | | | | | | | | | | 200 | 4.1 | 13.4 |
| | | | | | | | | | | | | | | | | | 400 | 5.9 | 19.4 |
| | | | | | | | | | | | | | | | | | 700 | 8.1 | 26.6 |
| | | | | | | | | | | | | | | | | | 900 | 9.4 | 30.8 |
| | | | | | | | | | | | | | | | | | 1000 | 9.8 | 32.1 |

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 |
|  | | | | | | | 7.5Ω/M' 24.6Ω/km | | | 2.0Ω/M' 6.6Ω/km | | | | | 100% Sweep tested. 5 MHz to 450 MHz. | | 10 | .7 | 2.3 |
| | | | | | | | | | | | | | | | | | 50 | 1.7 | 5.6 |
| | | | | | | | | | | | | | | | | | 100 | 2.5 | 8.2 |
| | | | | | | | | | | | | | | | | | 200 | 3.6 | 11.8 |
| | | | | | | | | | | | | | | | | | 400 | 5.0 | 16.4 |
| | | | | | | | | | | | | | | | | | 700 | 7.2 | 23.6 |
| | | | | | | | | | | | | | | | | | 900 | 8.3 | 27.2 |
| | | | | | | | | | | | | | | | | | 1000 | 8.8 | 28.9 |

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 |
|  | | | 1000 1640 3280 | 304.8 500.0 1000.0 | 33.0 55.8 108.2 | 15.0 25.3 49.2 | 6.4Ω/M' 21.0Ω/km | | | 5.6Ω/M' 18.4Ω/km | | | | | 100% Sweep tested. 5 MHz to 450 MHz. | | 10 | .7 | 2.3 |
| | | | | | | | | | | | | | | | | | 50 | 1.5 | 4.9 |
| | | | | | | | | | | | | | | | | | 100 | 2.0 | 6.6 |
| | | | | | | | | | | | | | | | | | 200 | 2.8 | 9.2 |
| | | | | | | | | | | | | | | | | | 400 | 4.0 | 13.1 |
| | | | | | | | | | | | | | | | | | 700 | 5.3 | 17.4 |
| | | | | | | | | | | | | | | | | | 900 | 6.1 | 20.0 |
| | | | | | | | | | | | | | | | | | 1000 | 6.5 | 21.3 |


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 |
|  | | | | | | | 6.4Ω/M' 21.0Ω/km | | | 5.1Ω/M' 16.7Ω/km | | | | | 100% Sweep tested. 5 MHz to 450 MHz. | | 10 | .7 | 2.3 |
| | | | | | | | | | | | | | | | | | 50 | 1.5 | 4.9 |
| | | | | | | | | | | | | | | | | | 100 | 2.1 | 6.9 |
| | | | | | | | | | | | | | | | | | 200 | 3.1 | 10.2 |
| | | | | | | | | | | | | | | | | | 400 | 4.5 | 14.8 |
| | | | | | | | | | | | | | | | | | 700 | 6.0 | 19.7 |
| | | | | | | | | | | | | | | | | | 900 | 6.9 | 22.6 |
| | | | | | | | | | | | | | | | | | 1000 | 7.3 | 23.9 |

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 |
|  | | | | | | | 6.4Ω/M' 21.0Ω/km | | | 5.1Ω/M' 16.7Ω/km | | | | | 100% Sweep tested. 5 MHz to 450 MHz. | | 10 | .7 | 2.3 |
| | | | | | | | | | | | | | | | | | 50 | 1.6 | 5.2 |
| | | | | | | | | | | | | | | | | | 100 | 2.2 | 7.2 |
| | | | | | | | | | | | | | | | | | 200 | 3.0 | 9.8 |
| | | | | | | | | | | | | | | | | | 400 | 4.6 | 15.1 |
| | | | | | | | | | | | | | | | | | 700 | 6.6 | 21.6 |
| | | | | | | | | | | | | | | | | | 900 | 7.7 | 25.3 |
| | | | | | | | | | | | | | | | | | 1000 | 8.2 | 26.9 |

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.



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

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