

Standard Analog Video Cable

RG-6/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 |


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


Foam Polyethylene Insulation • Black PVC Jacket

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|--|-------------|------------|------|-------|------|------|----------------------------|------|------|--|------|------|----|-----|------|------|---|----|----|
| 80°C | 9290 | NEC: CM | 1000 | 304.8 | 59.0 | 26.8 | 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. | | | | | | | | | | | | | | | | | | | |
| 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 (65% Coverage)

Plenum • Foam FEP Insulation • Black FEP Jacket

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|--|--------------|-------------|------|-------|------|-----|----------------------------|------|------|------------------------------|------|------|----|-----|------|------|---|----|-----|
| 200°C | 89248 | NEC: CMP | 500† | 152.4 | 15.0 | 6.8 | 18 AWG (solid) .040" | .170 | 4.32 | Duofoil + 65% TC Braid | .222 | 5.64 | 75 | 82% | 16.5 | 50.3 | 1 | .3 | 1.0 |
|  | | | | | | | | | | | | | | | | | | | |
| 100% Sweep tested. 5 MHz to 450 MHz. | | | | | | | | | | | | | | | | | | | |
| 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 | U-1000† | U-304.8 | 29.0 | 13.2 | 18 AWG (solid) .040" | .170 | 4.32 | Duofoil + 65% TC Braid | .222 | 5.64 | 75 | 82% | 16.5 | 50.3 | 1 | .3 | 1.0 |
|  | | | | | | | | | | | | | | | | | | | |
| 100% Sweep tested. 5 MHz to 450 MHz. | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | | | |

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

Gas-injected Foam HDPE Insulation • Black PVC Jacket

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|--|-------------|------------|-------|---------|------|-----|----------------------------|------|------|------------------------------|------|------|----|-----|------|------|---|----|-----|
| UL AWM Style 1354 (30V 80°C) | 9248 | NEC: CM | U-500 | U-152.4 | 16.5 | 7.5 | 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. | | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | | | |

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper • UTP = Unshielded Twisted Pair
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 ±10% from length shown.