

50 Ohm Transmission and Computer Cable

RG-8X and RG-8/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 |

RG-8X Type • 16 AWG Stranded (19x29) .058" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)

Gas-injected FPE Insulation • Black PVC Jacket

| | | | | | | | | | | | | | | | | | | | |
|------------|-------------|------|--------|---------|------|----------|---------|------|------|------------|------|------|----|-----|------|------|------|------|------|
| UL AWM | 9258 | NEC: | U-500 | U-152.4 | 20.0 | 9.1 | 16 AWG | .155 | 3.94 | BC Braid | .242 | 6.15 | 50 | 82% | 24.8 | 75.6 | 1 | .3 | 1.0 |
| Style 1354 | | CMH: | 500 | 152.4 | 18.5 | 8.4 | (19x29) | | | 95% Shield | | | | | | | 10 | .9 | 3.0 |
| (30V 80°C) | | CEC: | U-1000 | U-304.8 | 39.0 | 17.7 | .058" | | | Coverage | | | | | | | 50 | 2.1 | 6.9 |
| | | CM | 1000 | 304.8 | 40.0 | 18.2 | BC | | | 3.3Ω/M' | | | | | | | 100 | 3.1 | 10.2 |
| | | | | | | | 4.3Ω/M' | | | 10.8Ω/km | | | | | | | 200 | 4.5 | 14.8 |
| | | | | | | 14.1Ω/km | | | | | | | | | | 400 | 6.6 | 21.7 | |
| | | | | | | | | | | | | | | | | 700 | 9.1 | 29.9 | |
| | | | | | | | | | | | | | | | | 900 | 10.7 | 35.1 | |
| | | | | | | | | | | | | | | | | 1000 | 11.2 | 36.7 | |

*1000 ft. put-up also available in White.
Suitable for Outdoor and Aerial applications.

RG-8/U Type • 13 AWG Stranded (7x21) .085" Bare Copper Conductor • Bare Copper Braid Shield (97% Coverage)

Polyethylene Insulation • Black PVC Jacket

| | | | | | | | | | | | | | | | | | | | |
|------|-------------|---------|------|-------|-------|---------|---------|------|------|------------|------|-------|----|-----|------|------|------|------|-----|
| 75°C | 8237 | NEC: | 100 | 30.5 | 13.6 | 6.2 | 13 AWG | .285 | 7.24 | BC Braid | .405 | 10.29 | 52 | 66% | 28.5 | 93.5 | 1 | .2 | .5 |
| | | CMH: | 500 | 152.4 | 58.0 | 26.3 | (7x21) | | | 97% Shield | | | | | | | 10 | .6 | 1.8 |
| | | CEC: | 1000 | 304.8 | 114.0 | 51.7 | .085" | | | Coverage | | | | | | | 50 | 1.3 | 4.3 |
| | | CMH FT1 | | | | | BC | | | 1.2Ω/M' | | | | | | | 100 | 1.9 | 6.2 |
| | | | | | | | 1.9Ω/M' | | | 3.9Ω/km | | | | | | | 200 | 2.8 | 9.2 |
| | | | | | | 6.2Ω/km | | | | | | | | | | 400 | 4.2 | 13.8 | |
| | | | | | | | | | | | | | | | | 700 | 5.9 | 19.4 | |
| | | | | | | | | | | | | | | | | 900 | 6.9 | 22.6 | |
| | | | | | | | | | | | | | | | | 1000 | 7.4 | 24.3 | |
| | | | | | | | | | | | | | | | | 4000 | 23.2 | 76.1 | |

JAN-C-17A
Suitable for Outdoor and Aerial applications.

Polyethylene Insulation • Black Non-contaminating PVC Jacket

| | | | | | | | | | | | | | | | | | | | |
|------------|-------------|------|------|-------|-------|---------|---------|------|------|------------|------|-------|----|-----|------|------|------|------|-----|
| UL AWM | 9251 | NEC: | 500 | 152.4 | 58.0 | 26.3 | 13 AWG | .285 | 7.24 | BC Braid | .405 | 10.29 | 52 | 66% | 28.5 | 93.5 | 1 | .2 | .5 |
| Style 1354 | | CMX: | 1000 | 304.8 | 115.0 | 52.3 | (7x21) | | | 97% Shield | | | | | | | 10 | .6 | 1.8 |
| (30V 60°C) | | CEC: | | | | | .085" | | | Coverage | | | | | | | 50 | 1.3 | 4.3 |
| | | CMX | | | | | BC | | | 1.2Ω/M' | | | | | | | 100 | 1.9 | 6.2 |
| | | | | | | | 1.9Ω/M' | | | 3.9Ω/km | | | | | | | 200 | 2.8 | 9.2 |
| | | | | | | 6.2Ω/km | | | | | | | | | | 400 | 4.2 | 13.8 | |
| | | | | | | | | | | | | | | | | 700 | 5.9 | 19.4 | |
| | | | | | | | | | | | | | | | | 900 | 6.9 | 22.6 | |
| | | | | | | | | | | | | | | | | 1000 | 7.4 | 24.3 | |
| | | | | | | | | | | | | | | | | 4000 | 23.2 | 76.1 | |

MIL-C-17D

RG-8/U Type • 11 AWG Stranded (7x19) .108" Bare Copper Conductor • Bare Copper Braid Shield (97% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket

| | | | | | | | | | | | | | | | | | | | |
|------------|-------------|------|------|-------|-------|---------|---------|------|------|------------|------|-------|----|-----|----|------|------|------|-----|
| UL AWM | 8214 | NEC: | 100 | 30.5 | 14.2 | 6.5 | 11 AWG | .285 | 7.24 | BC Braid | .403 | 10.24 | 50 | 78% | 26 | 85.3 | 1 | .1 | .5 |
| Style 1354 | | CM | 500 | 152.4 | 61.0 | 27.7 | (7x19) | | | 97% Shield | | | | | | | 10 | .5 | 1.7 |
| (30V 80°C) | | CEC: | 1000 | 304.8 | 121.0 | 55.0 | .108" | | | Coverage | | | | | | | 50 | 1.2 | 3.9 |
| | | CM | | | | | BC | | | 1.1Ω/M' | | | | | | | 100 | 1.7 | 5.6 |
| | | | | | | | 1.2Ω/M' | | | 3.6Ω/km | | | | | | | 200 | 2.6 | 8.5 |
| | | | | | | 3.9Ω/km | | | | | | | | | | 400 | 3.9 | 12.8 | |
| | | | | | | | | | | | | | | | | 700 | 5.6 | 18.4 | |
| | | | | | | | | | | | | | | | | 900 | 6.5 | 21.3 | |
| | | | | | | | | | | | | | | | | 1000 | 7.0 | 23.0 | |
| | | | | | | | | | | | | | | | | 4000 | 21.5 | 70.5 | |

Suitable for Outdoor and Aerial applications.

BC = Bare Copper • DCR = DC Resistance • FPE = Foam Polyethylene • 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.