

Conformable® Coax Cable

50 Ohm Microwave Cables

| 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 |

M17/151 Type • 29 AWG Solid .011" Silver-plated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)**TFE Teflon® Insulation • Unjacketed**

| | | | | | | | | | | | | | | | | | | | |
|-------------|--------|---|------|-------|-----|-----|-----------|------|-----|-------------|------|------|----|-------|------|------|-------|-------|-------|
| UL AWM | 1674A* | — | 50 | 15.2 | .2 | .1 | 29 AWG | .034 | .85 | CT | .047 | 1.19 | 50 | 69.5% | 29.5 | 96.8 | 500 | 25.0 | 82.0 |
| Style 10245 | | | 100 | 30.5 | .4 | .2 | (solid) | | | Composite | | | | | | | 1000 | 36.7 | 120.3 |
| (30V 105°C) | | | 500 | 152.4 | 2.0 | .9 | .011" | | | 100% Shield | | | | | | | 2000 | 53.8 | 176.5 |
| | | | 1000 | 304.8 | 5.0 | 2.3 | SPCCS | | | Coverage | | | | | | | 3000 | 67.3 | 220.8 |
| | | | | | | | 205.0Ω/M' | | | 8.0Ω/M' | | | | | | | 5000 | 89.2 | 292.8 |
| | | | | | | | 672.4Ω/km | | | 26.2Ω/km | | | | | | | 7000 | 107.5 | 352.6 |
| | | | | | | | | | | | | | | | | | 10000 | 130.9 | 429.5 |
| | | | | | | | | | | | | | | | | | 15000 | 163.8 | 537.4 |
| | | | | | | | | | | | | | | | | | 18000 | 181.1 | 594.3 |
| | | | | | | | | | | | | | | | | | 20000 | 192.0 | 630.0 |

**M17/151 Type • 29 AWG Solid .011" Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)****TFE Teflon Insulation • Unjacketed**

| | | | | | | | | | | | | | | | | | | | |
|-------------|--------|---|--------|-------|-----|-----|-----------|------|-----|-------------|------|------|----|-------|------|------|-------|-------|-------|
| UL AWM | 1674B* | — | 100†† | 30.5 | .4 | .2 | 29 AWG | .034 | .85 | CT | .047 | 1.19 | 50 | 69.5% | 29.5 | 96.8 | 500 | 25.0 | 82.0 |
| Style 10245 | | | 500†† | 152.4 | 2.0 | .9 | (solid) | | | Composite | | | | | | | 1000 | 36.7 | 120.3 |
| (30V 105°C) | | | 1000†† | 304.8 | 5.0 | 2.3 | .011" | | | 100% Shield | | | | | | | 2000 | 53.8 | 176.5 |
| | | | | | | | SPC | | | Coverage | | | | | | | 3000 | 67.3 | 220.8 |
| | | | | | | | 81.2Ω/M' | | | 8.0Ω/M' | | | | | | | 5000 | 89.2 | 292.8 |
| | | | | | | | 266.4Ω/km | | | 26.2Ω/km | | | | | | | 7000 | 107.5 | 352.6 |
| | | | | | | | | | | | | | | | | | 10000 | 130.9 | 429.5 |
| | | | | | | | | | | | | | | | | | 15000 | 163.8 | 537.4 |
| | | | | | | | | | | | | | | | | | 18000 | 181.1 | 594.3 |
| | | | | | | | | | | | | | | | | | 20000 | 192.0 | 630.0 |

**RG-405/U Type • 24 AWG Solid .020" Silver-plated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)****TFE Teflon Insulation • Unjacketed**

| | | | | | | | | | | | | | | | | | | | |
|-------------|--------|---|-------|-------|------|-----|-----------|------|------|-------------|------|------|----|-------|------|------|-------|-------|-------|
| UL AWM | 1671A* | — | 50 | 15.2 | 2.0 | .9 | 24 AWG | .062 | 1.57 | CT | .085 | 2.16 | 50 | 69.5% | 29.5 | 96.8 | 500 | 15.0 | 49.2 |
| Style 10245 | | | 100 | 30.5 | 2.5 | 1.1 | (solid) | | | Composite | | | | | | | 1000 | 22.2 | 72.8 |
| (30V 105°C) | | | 500† | 152.4 | 7.5 | 3.4 | .020" | | | 100% Shield | | | | | | | 2000 | 32.8 | 107.6 |
| | | | 1000† | 304.8 | 14.0 | 6.4 | SPCCS | | | Coverage | | | | | | | 3000 | 41.2 | 135.2 |
| | | | | | | | 64.2Ω/M' | | | 10.2Ω/M' | | | | | | | 5000 | 54.9 | 180.1 |
| | | | | | | | 210.6Ω/km | | | 33.5Ω/km | | | | | | | 7000 | 66.4 | 217.9 |
| | | | | | | | | | | | | | | | | | 10000 | 81.2 | 266.4 |
| | | | | | | | | | | | | | | | | | 15000 | 102.0 | 334.7 |
| | | | | | | | | | | | | | | | | | 18000 | 113.0 | 370.8 |
| | | | | | | | | | | | | | | | | | 20000 | 120.0 | 393.7 |

Suitable for Outdoor applications.

TFE Teflon Insulation • PVC Jacket (Black or Clear)

| | | | | | | | | | | | | | | | | | | | |
|-------------|--------|---|-------|-------|------|-----|-----------|------|------|-------------|------|------|----|-------|------|------|-------|-------|-------|
| UL AWM | 1671J* | — | 100†▲ | 30.5 | 2.9 | 1.3 | 24 AWG | .062 | 1.57 | CT | .127 | 3.23 | 50 | 69.5% | 29.5 | 96.8 | 500 | 15.0 | 49.2 |
| Style 10245 | | | 500† | 152.4 | 9.5 | 4.7 | (solid) | | | Composite | | | | | | | 1000 | 22.2 | 72.8 |
| (30V 105°C) | | | 1000† | 304.8 | 17.0 | 7.7 | .020" | | | 100% Shield | | | | | | | 2000 | 32.8 | 107.6 |
| | | | | | | | SPCCS | | | Coverage | | | | | | | 3000 | 41.2 | 135.2 |
| | | | | | | | 64.2Ω/M' | | | 10.2Ω/M' | | | | | | | 5000 | 54.9 | 180.1 |
| | | | | | | | 210.6Ω/km | | | 33.5Ω/km | | | | | | | 7000 | 66.4 | 217.9 |
| | | | | | | | | | | | | | | | | | 10000 | 81.2 | 266.4 |
| | | | | | | | | | | | | | | | | | 15000 | 102.0 | 334.7 |
| | | | | | | | | | | | | | | | | | 18000 | 113.0 | 370.8 |
| | | | | | | | | | | | | | | | | | 20000 | 120.0 | 393.7 |

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

Suitable for Outdoor applications.

RG-405/U Type • 24 AWG Solid .020" Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)**TFE Teflon Insulation • Unjacketed**

| | | | | | | | | | | | | | | | | | | | |
|-------------|-------|---|--------|-------|------|-----|----------|------|------|-------------|------|------|----|-------|------|------|-------|-------|-------|
| UL AWM | 1671B | — | 500†† | 152.4 | 7.0 | 3.2 | 24 AWG | .062 | 1.57 | CT | .085 | 2.16 | 50 | 69.5% | 29.5 | 96.8 | 500 | 15.0 | 49.2 |
| Style 10245 | | | 1000†† | 304.8 | 13.0 | 6.0 | (solid) | | | Composite | | | | | | | 1000 | 22.2 | 72.8 |
| (30V 105°C) | | | | | | | .020" | | | 100% Shield | | | | | | | 2000 | 32.8 | 107.6 |
| | | | | | | | SPC | | | Coverage | | | | | | | 3000 | 41.2 | 135.2 |
| | | | | | | | 25.7Ω/M' | | | 10.2Ω/M' | | | | | | | 5000 | 54.9 | 180.1 |
| | | | | | | | 84.3Ω/km | | | 33.5Ω/km | | | | | | | 7000 | 66.4 | 217.9 |
| | | | | | | | | | | | | | | | | | 10000 | 81.2 | 266.4 |
| | | | | | | | | | | | | | | | | | 15000 | 102.0 | 334.7 |
| | | | | | | | | | | | | | | | | | 18000 | 113.0 | 370.8 |
| | | | | | | | | | | | | | | | | | 20000 | 120.0 | 393.7 |

Suitable for Outdoor applications.

CT = Copper-Tin • DCR = DC Resistance • SPC = Silver-plated Copper • SPCCS = Silver-coated Copper-covered Steel • TFE = Tetra Fluoroethylene

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.

†250 ft. put-up: Exact 3 pieces (maximum), 50 feet minimum length

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

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

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

Teflon is a Dupont trademark.

BELDENFor more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com****Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr**

Conformable® Coax Cable

50 Ohm Microwave Cables

| 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-402/U Type • 19 AWG Solid .036" Silver-plated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage) | | | | | | | | | | | | | | | | | | | |
| TFE Teflon® Insulation • Unjacketed | | | | | | | | | | | | | | | | | | | |
| UL AWM | 1673A* | — | 50 | 15.2 | 3.3 | 1.5 | 19 AWG | .116 | 2.95 | CT | .138 | 3.51 | 50 | 69.5% | 29.5 | 96.8 | 500 | 8.0 | 26.2 |
| Style 10245 (30V 105°C) | | | 100 | 30.5 | 3.9 | 1.8 | (solid) | | | Composite | | | | | | | 1000 | 12.0 | 39.4 |
| | | | 250† | 76.2 | 8.0 | 3.6 | .036" | | | 100% Shield | | | | | | | 2000 | 18.1 | 59.4 |
| | | | 500 | 152.4 | 15.0 | 6.8 | SPCCS | | | Coverage | | | | | | | 3000 | 22.9 | 75.1 |
| | | | | | | | 20.5Ω/M' | | | 4.5Ω/M' | | | | | | | 5000 | 31.0 | 101.7 |
| | | | | | | | 67.3Ω/km | | | 14.8Ω/km | | | | | | | 7000 | 37.8 | 124.0 |
| | | | | | | | | | | | | | | | | | 10000 | 46.6 | 152.9 |
| | | | | | | | | | | | | | | | | | 15000 | 59.1 | 193.9 |
| | | | | | | | | | | | | | | | | | 18000 | 65.8 | 215.9 |
| | | | | | | | | | | | | | | | | | 20000 | 70.0 | 229.7 |
| TFE Teflon Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | |
| UL AWM | 1673J* | — | 100 | 30.5 | 5.1 | 2.3 | 19 AWG | .116 | 2.95 | CT | .178 | 4.52 | 50 | 69.5% | 29.5 | 96.8 | 500 | 8.0 | 26.2 |
| Style 10245 (30V 105°C) | | | 500† | 152.4 | 17.5 | 8.0 | (solid) | | | Composite | | | | | | | 1000 | 12.0 | 39.4 |
| | | | | | | | .036" | | | 100% Shield | | | | | | | 2000 | 18.1 | 59.4 |
| | | | | | | | SPCCS | | | Coverage | | | | | | | 3000 | 22.9 | 75.1 |
| | | | | | | | 20.5Ω/M' | | | 4.5Ω/M' | | | | | | | 5000 | 31.0 | 101.7 |
| | | | | | | | 67.3Ω/km | | | 14.8Ω/km | | | | | | | 7000 | 37.8 | 124.0 |
| | | | | | | | | | | | | | | | | | 10000 | 46.6 | 152.9 |
| | | | | | | | | | | | | | | | | | 15000 | 59.1 | 193.9 |
| | | | | | | | | | | | | | | | | | 18000 | 65.8 | 215.9 |
| | | | | | | | | | | | | | | | | | 20000 | 70.0 | 229.7 |
| RG-402/U Type • 19 AWG Solid .036" Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage) | | | | | | | | | | | | | | | | | | | |
| TFE Teflon Insulation • Unjacketed | | | | | | | | | | | | | | | | | | | |
| UL AWM | 1673B* | — | 100†† | 30.5 | 3.9 | 1.8 | 19 AWG | .116 | 2.95 | CT | .138 | 3.51 | 50 | 69.5% | 29.5 | 96.8 | 500 | 8.0 | 26.2 |
| Style 10245 (30V 105°C) | | | 250†† | 76.2 | 8.0 | 3.6 | (solid) | | | Composite | | | | | | | 1000 | 12.0 | 39.4 |
| | | | 500†† | 152.4 | 14.5 | 6.6 | .036" | | | 100% Shield | | | | | | | 2000 | 18.1 | 59.4 |
| | | | | | | | SPC | | | Coverage | | | | | | | 3000 | 22.9 | 75.1 |
| | | | | | | | 7.9Ω/M' | | | 4.5Ω/M' | | | | | | | 5000 | 31.0 | 101.7 |
| | | | | | | | 25.9Ω/km | | | 14.8Ω/km | | | | | | | 7000 | 37.8 | 124.0 |
| | | | | | | | | | | | | | | | | | 10000 | 46.6 | 152.9 |
| | | | | | | | | | | | | | | | | | 15000 | 59.1 | 193.9 |
| | | | | | | | | | | | | | | | | | 18000 | 65.8 | 215.9 |
| | | | | | | | | | | | | | | | | | 20000 | 70.0 | 229.7 |
| RG-401/U Type • 14 AWG Solid .065" Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage) | | | | | | | | | | | | | | | | | | | |
| TFE Teflon Insulation • Unjacketed | | | | | | | | | | | | | | | | | | | |
| UL AWM | 1675A* | — | 50† | 15.2 | 4.1 | 1.8 | 14 AWG | .210 | 5.33 | CT | .246 | 6.25 | 50 | 69.5% | 29.6 | 97.1 | 400 | 3.8 | 12.5 |
| Style 10245 (30V 105°C) | | | 100†† | 30.5 | 8.1 | 3.7 | (solid) | | | Composite | | | | | | | 500 | 4.4 | 14.4 |
| | | | 250†† | 76.2 | 20.3 | 9.2 | .065" | | | 100% Shield | | | | | | | 1000 | 6.8 | 22.3 |
| | | | 500†† | 152.4 | 40.5 | 18.4 | SPC | | | Coverage | | | | | | | 2000 | 10.4 | 34.1 |
| | | | | | | | 2.5Ω/M' | | | 8.0Ω/M' | | | | | | | 3000 | 13.4 | 44.0 |
| | | | | | | | 8.2Ω/km | | | 26.2Ω/km | | | | | | | 5000 | 18.5 | 60.7 |
| | | | | | | | | | | | | | | | | | 7000 | 22.8 | 74.8 |
| | | | | | | | | | | | | | | | | | 10000 | 28.4 | 93.2 |
| | | | | | | | | | | | | | | | | | 15000 | 36.6 | 120.1 |
| | | | | | | | | | | | | | | | | | 18000 | 41.0 | 134.5 |

CT = Copper-Tin • DCR = DC Resistance • SPCCS = Silver-plated Copper-covered Steel • SPC = Silver-plated Copper • TFE = Tetra Fluoroethylene

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† 250 ft. put-up: Exact 3 pieces (maximum), 50 feet minimum length

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

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

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

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