

Broadband Coax

Drop Cables








| De- scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. () | 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/ 100 m | |
| H121C • Solid 0.8 mm Bare Copper • Copper-Foil • 45% Bare Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | |
| 70°C | H121C00 | | B-328 1640 | B-100 500 | 6.0 29.8 | 2.7 13.5 | 0.8 mm Solid BC 59.0 /km* 35.0 /km** | 0.138 | 3.50 | Cu-foil + 45% BC Braid 24.0 /km*** 4.1 mm | 0.197 | 5.00 | 75 | 84% | 16.2 | 53.0 | 5 | 0.5 | 1.7 | |
| | | | | | | | | | | | | | | | | | | 50 | 1.6 | 5.3 |
| | | | | | | | | | | | | | | | | | | 100 | 2.3 | 7.5 |
| | | | | | | | | | | | | | | | | | | 230 | 3.5 | 11.4 |
| | | | | | | | | | | | | | | | | | | 400 | 4.6 | 15.1 |
| | | | | | | | | | | | | | | | | | | 800 | 6.6 | 21.7 |
| | | | | | | | | | | | | | | | | | | 862 | 6.9 | 22.6 |
| | | | | | | | | | | | | | | | | | | 1000 | 7.5 | 24.5 |
| | | | | | | | | | | | | | | | | | | 1350 | 8.8 | 28.7 |
| | | | | | | | | | | | | | | | | | | 1750 | 10.1 | 33.0 |
| | | | | | | | | | | | | | | | | | | 2150 | 11.3 | 36.9 |
| | | | | | | | | | | | | | | | | | | 2400 | 12.0 | 39.2 |
| Return loss at 5-470 MHz: 20 dB | | | | | | | | | | | | | | | | | | | | |
| 470-1000 MHz: 18 dB | | | | | | | | | | | | | | | | | | | | |
| 1000-2000 MHz: 16 dB | | | | | | | | | | | | | | | | | | | | |
| 2000-3000 MHz: 15 dB | | | | | | | | | | | | | | | | | | | | |
| Screening attenuation at 30-1000 MHz: 80 dB | | | | | | | | | | | | | | | | | | | | |
| Transfer impedance at 5-30 MHz: 10.0 m /m | | | | | | | | | | | | | | | | | | | | |
| Screening Class: B | | | | | | | | | | | | | | | | | | | | |
| Pulling Tension: 40 N | | | | | | | | | | | | | | | | | | | | |
| H121A • Solid 0.8 mm Bare Copper • Duofoil® • 75% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | |
| 70°C | H121A03 | | B-328 1640 | B-100 500 | 6.4 32.0 | 2.9 14.5 | 0.8 mm Solid BC 55.0 /km* 35.0 /km** | 0.138 | 3.50 | Duofoil® + 75% TC Braid 20.0 /km*** 4.1 mm | 0.197 | 5.00 | 75 | 84% | 16.2 | 53.0 | 5 | 0.7 | 2.3 | |
| | | | | | | | | | | | | | | | | | | 50 | 1.8 | 5.9 |
| | | | | | | | | | | | | | | | | | | 100 | 2.5 | 8.1 |
| | | | | | | | | | | | | | | | | | | 230 | 3.7 | 12.1 |
| | | | | | | | | | | | | | | | | | | 400 | 4.8 | 15.9 |
| | | | | | | | | | | | | | | | | | | 800 | 6.9 | 22.7 |
| | | | | | | | | | | | | | | | | | | 862 | 7.2 | 23.6 |
| | | | | | | | | | | | | | | | | | | 1000 | 7.8 | 25.6 |
| | | | | | | | | | | | | | | | | | | 1350 | 9.1 | 30.0 |
| | | | | | | | | | | | | | | | | | | 1750 | 10.5 | 34.5 |
| | | | | | | | | | | | | | | | | | | 2150 | 11.8 | 38.6 |
| | | | | | | | | | | | | | | | | | | 2400 | 12.5 | 41.0 |
| Return loss at 5-470 MHz: 20 dB | | | | | | | | | | | | | | | | | | | | |
| 470-1000 MHz: 18 dB | | | | | | | | | | | | | | | | | | | | |
| 1000-2000 MHz: 16 dB | | | | | | | | | | | | | | | | | | | | |
| 2000-3000 MHz: 15 dB | | | | | | | | | | | | | | | | | | | | |
| Screening attenuation at 30-1000 MHz: 100 dB | | | | | | | | | | | | | | | | | | | | |
| Transfer impedance at 5-30 MHz: 4.2 m /m | | | | | | | | | | | | | | | | | | | | |
| Screening Class: A | | | | | | | | | | | | | | | | | | | | |
| Pulling Tension: 45 N | | | | | | | | | | | | | | | | | | | | |
| H121A • Solid 0.8 mm Bare Copper • Duofoil® • 40% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • White FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | | | |
| 70°C | H121A04 | IEC 332-1 | B-328 1640 | B-100 500 | 7.3 36.4 | 3.3 16.5 | 0.8 mm Solid BC 55.0 /km* 35.0 /km** | 0.138 | 3.50 | Duofoil® + 75% TC Braid 20.0 /km*** 4.1 mm | 0.197 | 5.00 | 75 | 84% | 16.2 | 53.0 | see above | | | |
| Return loss at 5-470 MHz: 20 dB | | | | | | | | | | | | | | | | | | | | |
| 470-1000 MHz: 18 dB | | | | | | | | | | | | | | | | | | | | |
| 1000-2000 MHz: 16 dB | | | | | | | | | | | | | | | | | | | | |
| 2000-3000 MHz: 15 dB | | | | | | | | | | | | | | | | | | | | |
| Screening attenuation at 30-1000 MHz: 100 dB | | | | | | | | | | | | | | | | | | | | |
| Transfer impedance at 5-30 MHz: 4.2 m /m | | | | | | | | | | | | | | | | | | | | |
| Screening Class: A | | | | | | | | | | | | | | | | | | | | |
| Pulling Tension: 45 N | | | | | | | | | | | | | | | | | | | | |
| H121A • Solid 0.8 mm Bare Copper • Duofoil® • 40% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | |
| 70°C | H121A01 | | 1640 3280 | 500 1000 | 22.0 44.1 | 10.0 20.0 | 0.8 mm Solid BC 75.0 /km* 35.0 /km** | 0.138 | 3.50 | Duofoil® + 40% TC Braid 40.0 /km*** 4.1 mm | 0.197 | 5.00 | 75 | 84% | 16.2 | 53.0 | see above | | | |
| Return loss at 5-470 MHz: 20 dB | | | | | | | | | | | | | | | | | | | | |
| 470-1000 MHz: 18 dB | | | | | | | | | | | | | | | | | | | | |
| 1000-2000 MHz: 16 dB | | | | | | | | | | | | | | | | | | | | |
| 2000-3000 MHz: 15 dB | | | | | | | | | | | | | | | | | | | | |
| Screening attenuation at 30-1000 MHz: 75 dB | | | | | | | | | | | | | | | | | | | | |
| Transfer impedance at 5-30 MHz: 33.0 m /m | | | | | | | | | | | | | | | | | | | | |
| Screening Class: C | | | | | | | | | | | | | | | | | | | | |
| Pulling Tension: 40 N | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White) | | | | | | | | | | | | | | | | | | | | |
| 70°C | H121A00 | | B-328 820 1640 | B-100 250 500 | 6.4 16.0 32.0 | 2.9 7.3 14.5 | 0.8 mm Solid BC 75.0 /km* 35.0 /km** | 0.138 | 3.50 | Duofoil® + 40% TC Braid 40.0 /km*** 4.1 mm | 0.197 | 5.00 | 75 | 84% | 16.2 | 53.0 | see above | | | |
| Return loss at 5-470 MHz: 20 dB | | | | | | | | | | | | | | | | | | | | |
| 470-1000 MHz: 18 dB | | | | | | | | | | | | | | | | | | | | |
| 1000-2000 MHz: 16 dB | | | | | | | | | | | | | | | | | | | | |
| 2000-3000 MHz: 15 dB | | | | | | | | | | | | | | | | | | | | |
| Screening attenuation at 30-1000 MHz: 75 dB | | | | | | | | | | | | | | | | | | | | |
| Transfer impedance at 5-30 MHz: 33.0 m /m | | | | | | | | | | | | | | | | | | | | |
| Screening Class: C | | | | | | | | | | | | | | | | | | | | |
| Pulling Tension: 40 N | | | | | | | | | | | | | | | | | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper
Duofoil® see technical information page 23.13.

Standard Analog Video Cables

75 Ohm Coax



| De- scription | Part No. | UL NEC/ C(UL)/CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Insulation OD | | Shielding Material 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/ 100 m | |
| 23 AWG • Solid 0.6 mm Copper-Covered Steel Conductor • 95 % Bare Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | | |
| 30V RMS | 8241 | NEC: | 100 | 31 | 4.4 | 2.0 | 0.58 mm | 0.146 | 3.71 | 95% BC | 0.240 | 6.10 | 75 | 66% | 20.5 | 67.3 | 1 | 0.6 | 2.0 | |
| 75°C | | CM | U-500 | U-152 | 19.5 | 8.8 | 23 AWG | | | Braid | | | | | | | 10 | 1.1 | 3.6 | |
| UL AWM Style 1354, VW1 | | CEC: | 500 | 152 | 18.5 | 8.4 | Solid CCS | | | 8.5 Ω/km*** | | | | | | | 50 | 2.4 | 7.9 | |
|  | | | U-1000 | U-305 | 38.0 | 17.2 | 169.2 Ω/km* | | | | | | | | | | 100 | 3.4 | 11.2 | |
| | | | 1000 | 305 | 40.0 | 18.1 | 160.7 Ω/km** | | | | | | | | | | 200 | 4.9 | 16.1 | |
| 0.6/3.7 | | | 2000 | 610 | 80.0 | 36.3 | | | | | | | | | | | 400 | 7.0 | 23.0 | |
| RG-59/U Typ | | | 5000 | 1524 | 200.0 | 90.7 | | | | | | | | | | | 700 | 9.7 | 31.8 | |
| | | | | | | | | | | | | | | | | | 900 | 11.1 | 36.4 | |
| | | | | | | | | | | | | | | | | | 1000 | 12.0 | 39.4 | |
| U-305 m put-up also available in Red, Yellow, Green, Light Blue, White, Orange and Black. | | | | | | | | Nominal Delay: 5.053 ns/m Pulling Tension: 276 N | | | | | | | | | | | | |
| 22 AWG • Stranded (7x30) 0.8 mm Bare Copper Conductor • 95 % Bare Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | | |
| 30V RMS | 9259 | NEC: | 100 | 31 | 4.1 | 1.9 | 0.76 mm | 0.146 | 3.71 | 95% BC | 0.241 | 6.12 | 75 | 78% | 17.3 | 56.7 | 1 | 0.3 | 1.0 | |
| 80°C | | CM | U-500 | U-152 | 18.1 | 8.2 | 22 AWG | | | Braid | | | | | | | 10 | 0.9 | 3.0 | |
| UL AWM Style 1354 | | CEC: | 500 | 152 | 16.6 | 7.5 | (7x30) BC | | | 8.5 Ω/km*** | | | | | | | 50 | 2.1 | 6.9 | |
|  | | CM | U-1000 | U-305 | 35.0 | 15.9 | 57.7 Ω/km* | | | | | | | | | | 100 | 3.0 | 9.8 | |
| | | | 1000 | 305 | 37.0 | 16.8 | 49.2 Ω/km** | | | | | | | | | | 200 | 4.5 | 14.8 | |
| 0.7/3.7 | | | | | | | | | | | | | | | | | 400 | 6.6 | 21.7 | |
| | | | | | | | | | | | | | | | | | 700 | 8.9 | 29.2 | |
| | | | | | | | | | | | | | | | | | 900 | 10.1 | 33.1 | |
| | | | | | | | | | | | | | | | | | 1000 | 10.9 | 35.8 | |
| For CCTV applications. | | | | | | | | Nominal Delay: 5.053 ns/m Pulling Tension: 275 N | | | | | | | | | | | | |
| 20 AWG • Solid 0.8 mm Bare Copper • 98 % Tinned Copper Double Braid | | | | | | | | | | | | | | | | | | | | |
| Polyethylene Insulation • Polyethylene Jacket (Red, Yellow, Green, Light Blue, White, Orange and Black) | | | | | | | | | | | | | | | | | | | | |
| 80°C | 8281 | | 500 | 152 | 37.5 | 17.0 | 0.81 mm | 0.198 | 5.03 | Double Braid | 0.305 | 7.75 | 75 | 66% | 21.0 | 68.9 | 1 | 0.3 | 1.0 | |
| | | | 1000 | 305 | 74.0 | 33.6 | 20 AWG | | | 98% TC | | | | | | | 3.6 | 0.5 | 1.6 | |
|  | | | | | | | Solid BC | | | 3.6 Ω/km*** | | | | | | | 10 | 0.8 | 2.6 | |
| | | | | | | | 36.1 Ω/km* | | | | | | | | | | 71.5 | 2.1 | 6.9 | |
| 0.8/5.0 | | | | | | | 32.5 Ω/km** | | | | | | | | | | 135 | 3.0 | 9.8 | |
| RG-59/U Type | | | | | | | | | | | | | | | | | 270 | 4.3 | 14.1 | |
| | | | | | | | | | | | | | | | | | 360 | 5.1 | 16.7 | |
| | | | | | | | | | | | | | | | | | 540 | 6.3 | 20.7 | |
| | | | | | | | | | | | | | | | | | 720 | 7.4 | 24.3 | |
| | | | | | | | | | | | | | | | | | 750 | 7.6 | 24.9 | |
| | | | | | | | | | | | | | | | | | 1000 | 9.2 | 30.2 | |
| 152 m put-up not available in White. | | | | | | | | Nominal Delay: 5.053 ns/m Pulling Tension: 515 N | | | | | | | | | | | | |
| 18 AWG • Solid 1.0 mm Bare Copper • Duofoil® • 60 % Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Foam HDPE Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | | |
| 30V RMS | 9248 | NEC: | U-500 | U-152 | 16.5 | 7.5 | 1.02 mm | 0.180 | 4.57 | Duofoil® | 0.270 | 6.86 | 75 | 82% | 16.2 | 53.1 | 1 | 0.3 | 1.0 | |
| 80°C | | CM | 500 | 152 | 15.0 | 6.8 | 18 AWG | | | + 60% TC | | | | | | | 10 | 0.7 | 2.3 | |
| UL AWM Style 1354 | | CEC: | U-1000 | U-305 | 32.0 | 14.5 | Solid BC | | | Braid | | | | | | | 50 | 1.5 | 4.9 | |
|  | | CM | 1000 | 305 | 33.0 | 15.0 | 39.4 Ω/km* | | | 18.4 Ω/km*** | | | | | | | 100 | 2.0 | 6.6 | |
| | | | 1640 | 500 | 55.8 | 25.3 | 21.0 Ω/km** | | | | | | | | | | 200 | 2.8 | 9.2 | |
| 1.0/4.6 | | | 3280 | 1000 | 108.2 | 49.1 | | | | | | | | | | | 400 | 4.0 | 13.1 | |
| RG-6 | | | | | | | | | | | | | | | | | 700 | 5.3 | 17.4 | |
| | | | | | | | | | | | | | | | | | 900 | 6.1 | 20.0 | |
| | | | | | | | | | | | | | | | | | 1000 | 6.5 | 21.3 | |
| | | | | | | | | | | | | | | | | | 1500 | 8.3 | 27.2 | |
| | | | | | | | | Nominal Delay: 4.068 ns/m Pulling Tension: 195 N | | | | | | | | | | | | |
| 14 AWG • Solid 1.6 mm Bare Copper • Duofoil® • 60 % Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Foam HDPE Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | | |
| 80°C | 9292 | | 1000 | 305 | 75.0 | 34.0 | 1.63 mm | 0.280 | 7.11 | Duofoil® | 0.405 | 10.29 | 75 | 84% | 16.1 | 52.8 | 1 | 0.2 | 0.6 | |
| | | | | | | | 14 AWG | | | + 60% TC | | | | | | | 10 | 0.5 | 1.6 | |
|  | | | | | | | Solid BC | | | Braid | | | | | | | 50 | 0.9 | 3.0 | |
| | | | | | | | 18.3 Ω/km* | | | 9.8 Ω/km*** | | | | | | | 100 | 1.3 | 4.3 | |
| 1.6/7.2 | | | | | | | 8.5 Ω/km** | | | | | | | | | | 200 | 1.6 | 5.3 | |
| RG-11 | | | | | | | | | | | | | | | | | 400 | 2.3 | 7.5 | |
| | | | | | | | | | | | | | | | | | 700 | 3.3 | 10.8 | |
| | | | | | | | | | | | | | | | | | 900 | 4.0 | 13.1 | |
| | | | | | | | | | | | | | | | | | 1000 | 4.3 | 14.1 | |
| | | | | | | | | Nominal Delay: 3.937 ns/m Pulling Tension: 435 N | | | | | | | | | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper • CCS = Copper-Covered Steel Duofoil® see technical information page 23.13.