

Wireless Coax
 50 Ohm Transmission



| 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. (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 |

MRG213 • Stranded (7x0.75) 2.25 mm Bare Copper • 92 % Bare Copper Braid

| Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | | |
|---|----------------|------|------|-------|-------|-------------|-------|------|--------------|-------|-------|----|-----|------|-------|------|------|------|--|--|
| 70°C | MRG2130 | 328 | 100 | 29.8 | 13.5 | 2.25 mm | 0.285 | 7.25 | 92% BC Braid | 0.406 | 10.30 | 50 | 66% | 30.5 | 100.0 | 5 | 0.5 | 1.5 | | |
| | | 820 | 250 | 74.4 | 33.8 | (7x0.75) BC | | | | | | | | | | 50 | 1.4 | 4.6 | | |
| | | 1640 | 500 | 148.8 | 67.5 | 11.5 Ω/km* | | | | | | | | | | 100 | 2.0 | 6.6 | | |
| | | 3280 | 1000 | 297.6 | 135.0 | 6.0 Ω/km** | | | | | | | | | | 230 | 3.2 | 10.4 | | |
| | | | | | | | | | | | | | | | | 400 | 4.3 | 14.1 | | |
| | | | | | | | | | | | | | | | 800 | 6.4 | 21.1 | | | |
| | | | | | | | | | | | | | | | 862 | 6.7 | 22.1 | | | |
| | | | | | | | | | | | | | | | 1000 | 7.3 | 24.1 | | | |
| | | | | | | | | | | | | | | | 1350 | 8.8 | 29.0 | | | |
| | | | | | | | | | | | | | | | 1750 | 10.5 | 34.3 | | | |
| | | | | | | | | | | | | | | | 2150 | 11.9 | 39.1 | | | |
| | | | | | | | | | | | | | | | 2400 | 12.9 | 42.4 | | | |



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: ≥ 65 dB

H155A • Stranded (19x0.28) 1.4 mm Tinned Copper • Duofoil® • 80 % Bare Copper Braid

| Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | |
|---|----------------|-------|-------|------|------|--------------|-------|------|-------------------------|-------|------|----|-----|------|------|------|------|------|--|--|
| 70°C | H155A01 | B-328 | B-100 | 8.2 | 3.7 | 1.41 mm | 0.154 | 3.90 | Duofoil® + 80% TC Braid | 0.213 | 5.40 | 50 | 80% | 25.6 | 84.0 | 5 | 0.8 | 2.5 | | |
| | | 3280 | 1000 | 81.6 | 37.0 | (19x0.28) TC | | | | | | | | | | 50 | 2.1 | 6.9 | | |
| | | | | | | 32.4 Ω/km* | | | | | | | | | | 100 | 2.8 | 9.1 | | |
| | | | | | | 15.4 Ω/km** | | | | | | | | | | 230 | 4.1 | 13.4 | | |
| | | | | | | | | | | | | | | | | 400 | 5.5 | 18.0 | | |
| | | | | | | | | | | | | | | | 800 | 8.0 | 26.1 | | | |
| | | | | | | | | | | | | | | | 862 | 8.3 | 27.3 | | | |
| | | | | | | | | | | | | | | | 1000 | 9.0 | 29.6 | | | |
| | | | | | | | | | | | | | | | 1350 | 10.6 | 34.9 | | | |
| | | | | | | | | | | | | | | | 1750 | 12.3 | 40.3 | | | |
| | | | | | | | | | | | | | | | 2150 | 14.0 | 46.0 | | | |
| | | | | | | | | | | | | | | | 2400 | 15.0 | 49.1 | | | |



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: ≥ 85 dB

| Gas-Injected Polyethylene Insulation • Grey PVC Jacket | | | | | | | | | | | | | | | | | | | | |
|---|----------------|-------|-------|------|------|--------------|-------|------|-------------------------|-------|------|----|-----|------|------|-----------|--|--|--|--|
| 70°C | H155A00 | B-328 | B-100 | 8.2 | 3.7 | 1.41 mm | 0.154 | 3.90 | Duofoil® + 80% TC Braid | 0.213 | 5.40 | 50 | 80% | 25.6 | 84.0 | | | | | |
| | | 820 | 250 | 20.4 | 9.3 | (19x0.28) TC | | | | | | | | | | see above | | | | |
| | | 1640 | 500 | 40.8 | 18.5 | 32.4 Ω/km* | | | | | | | | | | | | | | |
| | | 3280 | 1000 | 81.6 | 37.0 | 15.4 Ω/km** | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |



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: ≥ 85 dB

MRG58 • Stranded (19x0.18) 0.9 mm Tinned Copper • 93 % Tinned Copper Braid

| Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White) | | | | | | | | | | | | | | | | | | | | |
|---|----------------|------|-----|------|------|--------------|-------|------|----------------|-------|------|----|-----|------|-------|------|------|------|--|--|
| 70°C | MRG5800 | 328 | 100 | 7.7 | 3.5 | 0.91 mm | 0.116 | 2.95 | + 93% TC Braid | 0.195 | 4.95 | 50 | 66% | 30.5 | 100.0 | 5 | 1.0 | 3.3 | | |
| | | 1640 | 500 | 38.6 | 17.5 | (19x0.18) TC | | | | | | | | | | 50 | 3.2 | 10.6 | | |
| | | | | | | 52.0 Ω/km* | | | | | | | | | | 100 | 4.6 | 15.1 | | |
| | | | | | | 36.0 Ω/km** | | | | | | | | | | 230 | 7.0 | 23.1 | | |
| | | | | | | | | | | | | | | | | 400 | 9.4 | 30.7 | | |
| | | | | | | | | | | | | | | | 800 | 13.4 | 44.1 | | | |
| | | | | | | | | | | | | | | | 862 | 14.0 | 45.8 | | | |
| | | | | | | | | | | | | | | | 1000 | 15.1 | 49.6 | | | |
| | | | | | | | | | | | | | | | 1350 | 17.7 | 58.2 | | | |
| | | | | | | | | | | | | | | | 1750 | 20.4 | 66.8 | | | |
| | | | | | | | | | | | | | | | 2150 | 22.7 | 74.6 | | | |
| | | | | | | | | | | | | | | | 2400 | 24.1 | 79.2 | | | |



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: ≥ 65 dB

* 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.