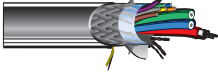


# Specifications – MHRVGA Cable



| Description<br>Part No. (length)<br>Model  | UL NEC/<br>C(UL) CEC<br>UL AWM<br>Temp.                    | No.<br>of<br>Cond.       | Standard Lengths |       | Shipping Weights |               | Conductor (stranding)<br>Diameter<br>Nom. DCR  | Nominal Core OD |      | Shielding Materials (% coverage)<br>Nom. DCR  | Nominal OD                                |    | Nom. Imp. (ohms) | 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 |
| Composite Cable: (3) 26 AWG Miniature Coax • (2) 26 AWG Shielded Twisted Pairs • (7) 26 AWG Insulated Conductors   |  |                          |                  |       |                  |               |  |                 |      |   |   |    |                  |                    |                     |                              |  |           |          |
| Overall Cable Shield: Aluminum Foil (100%) + Tinned Copper Braid   |  |                          |                  |       |                  |               |  |                 |      |   |   |    |                  |                    |                     |                              |  |           |          |
| <b>Nonplenum Cable • Natural Foamed Polyolefin Insulation • PVC Inner Jackets • Gray PVC Outer Jacket</b>  |  |                          |                  |       |                  |               |  |                 |      |   |   |    |                  |                    |                     |                              |  |           |          |
| <b>22-220-03 (1000')</b><br><b>MHRVGA</b><br><br><br>Min. bend radius: 4.0" | NEC CM<br>UL 1581<br>CSA FT-4<br>AWM 2990<br>VW-1<br>60 °C | 3 coax                   | 500              | 152.4 | 54               | 24.5          | 26 AWG (7/34)<br>0.019"<br>0.48 mm,<br>Tinned Cu<br>41 ohms/<br>1k ft,<br>135 ohms<br>1 km | 0.076           | 1.93 | Alum. Foil (100%)<br>Tinned Cu<br>Serve (95%)<br>12.2 ohms/<br>1k ft,<br>40.0 ohms/<br>1 km | Single:<br>0.105 2.67<br>red, green, blue |    | 75               | 83%                | 18.0                | 59.1                         | 1  | -0.5      | -1.7     |
|  |  | 1000                     | 304.8            | 95    | 43.1             | 5             |  | -1.2            | -3.9 |   |   |    |                  |                    |                     |                              |  |           |          |
|  |  |                          |                  |       |                  | 10            |  | -1.7            | -5.5 |   |   |    |                  |                    |                     |                              |  |           |          |
|  |  |                          |                  |       |                  | 20            |  | -2.4            | -7.8 |   |   |    |                  |                    |                     |                              |  |           |          |
|  |  |                          |                  | 50    | -3.8             | -12.3         |  |                 |      |   |   |    |                  |                    |                     | 71                           | -4.5                                     | -14.8     |          |
|  |  |                          |                  | 100   | -5.4             | -17.6         |  |                 |      |   |   |    |                  |                    |                     | 135                          | -6.3                                     | -20.6     |          |
|  |  |                          |                  | 180   | -7.3             | -23.9         |  |                 |      |   |   |    |                  |                    |                     | 200                          | -7.7                                     | -25.4     |          |
|  |  |                          |                  | 270   | -9.1             | -29.9         |  |                 |      |   |   |    |                  |                    |                     | 400                          | -11.5                                    | -37.3     |          |
|  |  |                          |                  | 750   | -16.4            | -53.8         |  |                 |      |   |   |    |                  |                    |                     | 1000                         | -19.5                                    | -64.0     |          |
|  |  |                          |                  | 3000  | -43.6            | -143.0        |  |                 |      |   |   |    |                  |                    |                     | Sweep tested 5 MHz to 1 GHz. |  |           |          |
|  |  | 2 shielded twisted pairs |                  |       |                  |               | Same as above  | 0.033           | 0.84 | Tinned Cu Braid (85%)   | Single:<br>black & red<br>black & white   |    | 66%              | 35                 | 115                 | conductor-conductor          |  |           |          |
|  |  | 7 insulated conductors   |                  |       |                  | Same as above | 0.033  | 0.84            |      | Single:<br>blue, green,<br>violet, grey,<br>yellow, orange,<br>brown                        |   | 62 |                  |                    |                     | 203                          | conductor-conductor, connected to shield |           |          |
|  |  | Overall cable            |                  |       |                  |               |  |                 |      | Alum. Foil and Tinned Cu Braid (85%)  | Overall:<br>0.330 8.39<br>gray            |    |                  |                    |                     |                              |  |           |          |