



# Specifications – MHR-2 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<br>Lengths |       | Shipping<br>Weights |     | Conductor<br>(stranding)<br>Diameter<br>Nom. DCR   | Nominal<br>Core OD |      | Shielding<br>Materials<br>(% coverage)<br>Nom. DCR   | Nominal<br>OD                          |    | Nom.<br>Imp.<br>of Prop.<br>(ohms) | Nom.<br>Vel.<br>of Prop. | Nominal<br>Capacitance |      | Nominal<br>Attenuation |               |              |
|--|---|--------------------|---------------------|-------|---------------------|-----|--|--------------------|------|--|--|----|------------------------------------|--------------------------|------------------------|------|------------------------|---------------|--------------|
|  |   |                    | Ft.                 | m     | Lbs.                | kg  |  | Inch               | mm   |  | Inch                                   | mm |                                    |                          | pF/ft                  | pF/m | MHz                    | dB/<br>100 ft | dB/<br>100 m |
| (2) 26 AWG Miniature Coax • Aluminum Foil (100%) + Tinned Copper Serve Shield  |   |                    |                     |       |                     |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
| <b>Nonplenum Cable • Gas-injected Foamed Polyolefin Insulation • PVC Inner Jackets • Matte Black PVC Outer Jacket</b>  |   |                    |                     |       |                     |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
| <b>22-123-02 (250')</b><br><b>22-123-03 (500')</b><br><b>MHR-2</b><br><br>Min. bend radius: 2.5"  | NEC CM<br>UL 1581<br>75 °C              | 2<br>coax          | 250                 | 76.2  | 16                  | 7.2 | 26 AWG<br>(7/34)<br>0.019"<br>0.48 mm,<br>Tinned Cu<br>41 ohms/<br>1k ft,<br>135 ohms/<br>1 km | 0.071              | 1.80 | Alum. Foil<br>(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>yellow, white |    | 75                                 | 81%                      | 16.7                   | 54.8 | 1                      | -0.5          | -1.7         |
|  |   |                    | 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.   |   |                    |                     |       |                     |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
| <b>Plenum Cable • Gas-injected Foamed FEP Insulation • FEP Inner Jackets • Blue Fire-resistant PVC Outer Jacket</b>  |   |                    |                     |       |                     |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
| <b>22-129-02 (250')</b><br><b>22-129-03 (500')</b><br><b>MHR-2P</b><br><br>Min. bend radius: 5.0" | NEC CMP<br>UL 910<br>75 °C              | 2<br>coax          | 250                 | 76.2  | 17                  | 7.7 | 26 AWG<br>(7/34)<br>0.019"<br>0.48 mm,<br>Tinned Cu<br>41 ohms/<br>1k ft,<br>135 ohms/<br>1 km | 0.072              | 1.83 | Alum. Foil<br>(100%)<br>Tinned Cu<br>Serve (95%)<br>12.2 ohms/<br>1k ft,<br>40.0 ohms/<br>1 km | Single:<br>0.100 2.54<br>yellow, white |    | 75                                 | 83%                      | 16.7                   | 54.8 | 1                      | -0.5          | -1.5         |
|  |   |                    | 5                   | -1.1  | -3.7                |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
|  |   |                    | 10                  | -1.6  | -5.4                |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
|  |   |                    | 20                  | -2.3  | -7.5                |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
|  |   |                    | 50                  | -3.6  | -11.8               |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
|  |   |                    | 71                  | -4.3  | -14.1               |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
|  |   |                    | 100                 | -5.1  | -16.8               |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
|  |   |                    | 135                 | -6.0  | -19.7               |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
|  |   |                    | 180                 | -7.0  | -23.0               |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
|  |   |                    | 200                 | -7.4  | -24.3               |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
|  |   |                    | 270                 | -8.8  | -28.8               |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
|  |   |                    | 400                 | -11.8 | -38.7               |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
|  |   |                    | 750                 | -17.6 | -57.8               |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
| 1000   | -21.4                                   | -70.1              |                     |       |                     |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
| 3000   | -51.2                                   | -168.0             |                     |       |                     |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |
| Sweep tested 5 MHz to 1 GHz.   |   |                    |                     |       |                     |     |  |                    |      |  |  |    |                                    |                          |                        |      |                        |               |              |

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