

**Commate CFD-200** Low Loss Foam equivalent of cable type RG-58U.**Physical Specifications**

|                 |                                 |
|-----------------|---------------------------------|
| Inner Conductor | Material: Bare Copper Solid     |
|                 | Diameter: 0.044 (ins) 1.12 (mm) |
| Dielectric      | Material: Closed Cell PE        |
|                 | Diameter: 0.116 (ins) 2.95 (mm) |
| Outer Conductor | Material: Aluminium Tape        |
|                 | Diameter: 0.121 (ins) 3.07 (mm) |
| Overall Braid   | Material: Tinned Copper         |
|                 | Diameter: 0.144 (ins) 3.66 (mm) |
| Jacket          | Material: Black PVC             |
|                 | Diameter: 0.195 (ins) 4.95 (mm) |
| Weight          | 0.022lbs/ft 0.3Kg/m             |

**Mechanical Specification**

|                     |                     |
|---------------------|---------------------|
| Minimum Bend Radius | 0.5 (ins) 12.7 (mm) |
|---------------------|---------------------|

**Electrical Specifications**

|                         |                               |
|-------------------------|-------------------------------|
| Impedance               | 50 ohms                       |
| Capacitance             | 24.5pF/ft 80.4pF/m            |
| Velocity of Propagation | 83%                           |
| DC Resistance           |                               |
| Inner Conductor         | 5.37 ohms/1000' 17.59 ohms/Km |
| Outer Conductor         | 4.90 ohms/1000' 16.08 ohms/Km |

**Attenuation**

| Freq (MHz) | dB/100ft | dB/100m |
|------------|----------|---------|
| 30         | 1.8      | 5.8     |
| 150        | 4.0      | 13.1    |
| 450        | 7.0      | 22.8    |
| 900        | 9.9      | 32.5    |
| 1500       | 12.9     | 42.3    |
| 2000       | 15.0     | 49.3    |
| 2500       | 16.8     | 55.4    |
| 5800       | 26.4     | 86.5    |

**Connectors Available**

| Type            | Inner Contact Attachment | Outer Contact Attachment |
|-----------------|--------------------------|--------------------------|
| N Male          | Crimp                    | Crimp                    |
| N Female        | Crimp                    | Crimp                    |
| BNC Male        | Crimp                    | Crimp                    |
| TNC Male        | Crimp                    | Crimp                    |
| TNC Female      | Crimp                    | Crimp                    |
| Mini-UHF Male   | Crimp                    | Crimp                    |
| Mini-UHF Female | Crimp                    | Crimp                    |
| SMA Male        | Crimp                    | Crimp                    |
| SMA Female      | Crimp                    | Crimp                    |
| RP TNC (M)      | Crimp                    | Crimp                    |
| RP TNC (F)      | Crimp                    | Crimp                    |

**Commate CFD-400** Low Loss Foam equivalent of cable type RG-8U & JIS-8D.**Physical Specifications**

|                 |                                 |
|-----------------|---------------------------------|
| Inner Conductor | Material: Copper Clad Aluminium |
|                 | Diameter: 0.108 (ins) 2.74 (mm) |
| Dielectric      | Material: Closed Cell PE Foam   |
|                 | Diameter: 0.285 (ins) 7.24 (mm) |
| Outer Conductor | Material: Aluminium Tape        |
|                 | Diameter: 0.291 (ins) 7.39 (mm) |
| Overall Braid   | Material: Tinned Copper         |
|                 | Diameter: 0.32 (ins) 8.13 (mm)  |
| Jacket          | Material: Black PVC             |
|                 | Diameter: 0.405 (ins) 10.3 (mm) |
| Weight          | 0.068lbs/ft 0.105Kg/m           |

**Mechanical Specification**

|                     |                     |
|---------------------|---------------------|
| Minimum Bend Radius | 1.0 (ins) 25.4 (mm) |
|---------------------|---------------------|

**Electrical Specifications**

|                         |                              |
|-------------------------|------------------------------|
| Impedance               | 50 ohms                      |
| Capacitance             | 24.0pF/ft 78.4pF/m           |
| Velocity of Propagation | 85%                          |
| DC Resistance           |                              |
| Inner Conductor         | 1.39 ohms/1000' 4.56 ohms/Km |
| Outer Conductor         | 1.65 ohms/1000' 5.41 ohms/Km |

**Attenuation**

| Freq (MHz) | dB/100ft | dB/100m |
|------------|----------|---------|
| 30         | 0.67     | 2.2     |
| 150        | 1.5      | 5       |
| 450        | 2.7      | 8.8     |
| 900        | 3.9      | 12.7    |
| 1500       | 5.1      | 16.8    |
| 2000       | 6        | 19.7    |
| 2500       | 6.8      | 22.2    |
| 5800       | 10.8     | 35.5    |

**Connectors Available**

| Type       | Inner Contact Attachment | Outer Contact Attachment |
|------------|--------------------------|--------------------------|
| N Male     | Solder                   | Clamp                    |
| N Female   | Solder                   | Clamp                    |
| BNC Male   | Crimp                    | Crimp                    |
| TNC Male   | Solder                   | Clamp                    |
| RP TNC (M) | Solder                   | Crimp                    |
| RP TNC (F) | Solder                   | Crimp                    |