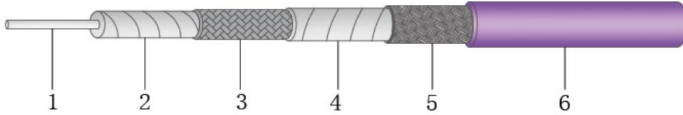


### Features & Benefits

- Allowing bend from connector end
- 086 size, minimum bending radius 10.5 mm
- Operating to 50GHz, low attenuation
- Eliminating the use of right angle connectors
- Robust with multi-interlayer
- Similar to Minibend L cables

### Cable Construction



| No. | Construction     | Size (mm) | Materials                          |
|-----|------------------|-----------|------------------------------------|
| 1   | Center conductor | 0.56      | Silver plated copper               |
| 2   | Dielectric       | 1.70      | Low density PTFE                   |
| 3   | Outer conductor  | 1.85      | Silver plated copper wire braiding |
| 4   | Middle layer     | 1.98      | Aluminum foil                      |
| 5   | Outer shield     | 2.24      | Stainless steel wire               |
| 6   | Jacket           | 2.64      | FEP                                |



### Electrical

|  |                            |
|--|----------------------------|
| Frequency                                      | DC-50 GHz                  |
| Impedance                                      | 50 Ω                       |
| Velocity of Propagation                        | 75%                        |
| Shielding Effectiveness                        | >90 dB                     |
| Withstanding Voltage                           | 500 V                      |
| *Mechanical Phase Stability                    | <±6° @ 40GHz, <±8° @ 50GHz |
| Amplitude Stability vs Shaking                 | <±0.2dB                    |
| * Wrapped 360° around a 26mm diameter mandrel. |                            |

### Mechanical & Environmental

|                              |            |
|------------------------------|------------|
| Min.Bending Radius Static    | 10.5mm     |
| Min. Bending Radius Repeated | 26mm       |
| Weight                       | 17g/m      |
| Temperature(Operation)       | -50~150 °C |
| Temperature(Storage)         | -60~160 °C |

### Attenuation(Typical@25°C&VSWR=1.0) & Power(VSWR=1.0; 40°C; Sea level)

|  |       |       |       |       |       |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frequency MHz  | 300   | 1000  | 2000  | 4000  | 6000  | 9200  | 10000 | 12400 | 18000 | 26500 | 40000 | 50000 |
| dB/100 Meter   | 32.6  | 60.1  | 85.8  | 122.8 | 151.9 | 190.4 | 199.0 | 223.2 | 272.9 | 337.2 | 424.0 | 480.9 |
| Avg.Power kW   | 0.500 | 0.271 | 0.190 | 0.133 | 0.107 | 0.086 | 0.082 | 0.073 | 0.060 | 0.048 | 0.038 | 0.034 |
| Attenuation at any frequency=[1.860000×SQRT(FMHz)]+[0.001300×FMHz] |       |       |       |       |       |       |       |       |       |       |       |       |

### Available connectors

| Cable P/N | Connectors | Gender | Orientation | Mounting | Max Freq.(GHz) | VSWR Max |
|-----------|------------|--------|-------------|----------|----------------|----------|
| MB260L    | SMA        | Male   | Straight    | Standard | 26.5           | 1.35     |
| MB260L    | 2.92mm     | Male   | Straight    | Standard | 40             | 1.4      |
| MB260L    | 2.4mm      | Male   | Straight    | Standard | 50             | 1.45     |
| MB260L    | 2.4mm      | Female | Straight    | Standard | 50             | 1.45     |

Other connectors available upon request.