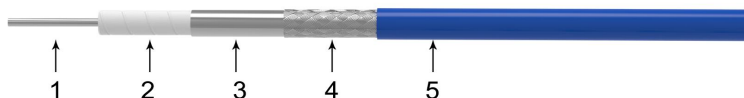


### Features & Benefits

- Attractive cost vs performance ratio
- Low VSWR typical 1.20 to 18 GHz
- Good amplitude stability vs flex
- Up to 18GHz with low attenuation

### Cable Construction



| No. | Construction     | Size (mm) | Materials                  |
|-----|------------------|-----------|----------------------------|
| 1   | Center conductor | 0.94      | Solid silver plated copper |
| 2   | Dielectric       | 2.75      | Low density PTFE           |
| 3   | Outer conductor  | 2.80      | Aluminum foil wrap         |
| 4   | Outer shield     | 3.20      | Silver-plated copper wire  |
| 5   | Jacket           | 3.50      | FEP                        |



### Electrical

|                                |           |
|--------------------------------|-----------|
| Frequency                      | DC-18 GHz |
| Impedance                      | 50 Ω      |
| Velocity of Propagation        | 76%       |
| Shielding Effectiveness        | >90 dB    |
| Withstanding Voltage           | 800 V     |
| Mechanical Phase Stability*    | <±8°      |
| Amplitude Stability vs Shaking | <±0.1dB   |

\* Wrapped 360° around a 35mm radius mandrel.

### Mechanical & Environmental

|                              |            |
|------------------------------|------------|
| Min. Bending Radius Static   | 14mm       |
| Min. Bending Radius Repeated | 35mm       |
| Weight                       | 29g/m      |
| Temperature(Operation)       | -55~150 °C |
| Temperature(Storage)         | -60~160 °C |

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

|                                                        |       |       |       |       |       |            |       |       |       |       |       |
|--------------------------------------------------------|-------|-------|-------|-------|-------|------------|-------|-------|-------|-------|-------|
| Frequency MHz                                          | 300   | 700   | 1000  | 2000  | 6000  | 8000       | 10000 | 12000 | 14000 | 16000 | 18000 |
| dB/100 Meter                                           | 20.9  | 32.1  | 38.6  | 55.1  | 97.6  | 113.6      | 128.0 | 141.1 | 153.3 | 164.8 | 175.7 |
| Avg.Power kW                                           | 0.850 | 0.553 | 0.461 | 0.323 | 0.182 | 0.156      | 0.139 | 0.126 | 0.116 | 0.108 | 0.101 |
| K1=1.191839                                            |       |       |       |       |       | K2=0.00088 |       |       |       |       |       |
| Attenuation at any frequency=[K1×SQRT(FMHz)]+[K2×FMHz] |       |       |       |       |       |            |       |       |       |       |       |

### Available connectors

| Cable P/N | Connectors | Gender | Orientation | Mounting | Max Freq.(GHz) | VSWR Max |
|-----------|------------|--------|-------------|----------|----------------|----------|
| LE350     | SMA        | M/F    | Straight    | Standard | 18             | 1.25/1.3 |
| LE350     | N          | M/F    | Straight    | Standard | 18             | 1.3/1.35 |

The connectors are available in both clamp and direct solder types. Other connectors available upon request.