

Construction

| Item | Material | Diameter | |
|-----------------|----------------------------|--------------|------------|
| | | (Inch) | (mm) |
| Inner Conductor | Copper Covered Steel - CCS | 0.023 ±0.001 | 0.58 ±0.03 |
| Dielectric | Solid PE | 0.146 ±0.004 | 3.7 ±0.1 |
| Shield | 80% Copper Braid | 0.185 ±0.004 | 4.7 ±0.1 |
| Jacket | LSZH-black | 0.242 ±0.004 | 6.15 ±0.1 |

Electrical Characteristics

| | |
|---------------------------|------------------------|
| Impedance | : 75Ω ±3Ω |
| Capacitance | : 67pF/m |
| Velocity of Propagation | : 66% |
| Max. Operating Frequency | : 1GHz |
| Max. Operating Voltage | : 1700 _{RMS} |
| Corona Extinction Voltage | : 2300V _{RMS} |
| Voltage Withstand | : 7000V _{RMS} |
| Spark Test | : 5000V _{RMS} |
| Operating Temp. Range | : -40°C to +85°C |

Attenuation (@20°C)

| Frequency (MHz) | Max. Attenuation (dB/100ft) | Max. Attenuation (dB/100m) |
|-----------------|-----------------------------|----------------------------|
| 10 | 1.1 | 3.6 |
| 50 | 2.6 | 8.5 |
| 100 | 3.4 | 11.1 |
| 200 | 5.2 | 16.9 |
| 400 | 7.2 | 23.5 |
| 600 | 9.2 | 30.2 |
| 860 | 10.9 | 35.6 |
| 1000 | 12 | 39.5 |

Part Number Table

| Description | Length | Part Number |
|----------------------------------|------------------------|-------------|
| Coaxial Cable, RG59, LSZH, Black | Per Meter or 100 Meter | RG59 LSZH |

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