

HandyForm-II (low-density dielectric) Cable

Cable Type 250L (422-250-3)

Frequency Range: DC - 20.00 GHz

| General | | |
|------------------------------------------------------------------|------------------|---------|
| Cabel Model No. | 422-250-3 | |
| Cable Code for Cable Assemblies | 250L | |
| Max. Operating Frequency (GHz) | 20.00 | |
| Mechanical | | |
| Outer Diameter | inches | 0.2500" |
| | mm | 6.35 |
| Outer Conductor Construction | Aluminum/Tin | |
| Dielectric Material | low-density PTFE | |
| Dielectric Dia. (mm) | 5.31 | |
| Dielectric Constant | 1.5 | |
| Center Conductor Material | copper | |
| Center Conductor Finish | silver-plated | |
| Center Conductor Dia. (mm) | 1.87 | |
| Weight (grams/m) | 88.00 | |
| Safe Bending Radius for a 360° bend with proper tooling (mm) | 25.40 | |
| Electrical | | |
| Impedance (Ohms @ sea level and +25°C) | 50 ± 1 | |
| Velocity of Propagation (% , ±2 %) | 83.00 | |
| Capacitance (pF/m) | 85.00 | |
| Dielectric Strength (KV _{rms} @ 60 Hz) | 7.50 | |
| Max. Operating Voltage (KV _{rms} @ 60 Hz and sea level) | 1.80 | |
| Nominal Insertion Loss vs. Frequency [dB/m] | 0.50 GHz | 0.14 |
| | 1.00 GHz | 0.20 |
| | 5.00 GHz | 0.52 |
| | 10.00 GHz | 0.68 |
| | 18.00 GHz | 1.05 |
| Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts] | 0.50 GHz | 4300.00 |
| | 1.00 GHz | 2800.00 |
| | 5.00 GHz | 1000.00 |
| | 10.00 GHz | 700.00 |
| | 18.00 GHz | 420.00 |
| Environmental | | |
| Operating Temperature Range (°C) | -40 to +200 | |

Characteristics:

Additional Information:

- [Connector Code details](#)
- [Information on armor](#)
- [Ordering Information](#)

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Specifications are subject to change without notice.