SPP-250-LLPL (15314)

Physical Specifications
- Jacket: Extruded FEP, OD: (0.060) (1.51)
- Center Conductor: Solid Bare Copper, OD: (0.049) (1.24)
- Dielectric: Tape Wrapped Low Density PTFE, OD: (0.119) (4.68)
- Outer Conductor: Seam Welded Corrugated Copper Tube, OD: (0.250) (9.84)
- Bending Moment: 36 oz-in (83)
- Tensile Strength: 66 lbf (46)
- Pull Pull Crimp Straight Mix (kg): 100 (5.4)
- Weight: 0.025/100 ft (g/kg): 52 (7.9)

Environmental Specifications
- Installation Temperature Range °F/°C: -47 to +122 (-55 to +22)
- Storage Temperature Range °F/°C: -67 to +122 (-55 to +22)
- Operating Temperature Range °F/°C: -47 to +122 (-55 to +22)

Electrical Specifications
- Velocity of Propagation %: 78
- Impedance, Ohms: 50
- Capacitance, pF/ft (m): 0.067 (0.22)
- Shielding Effectiveness, dB: >100
- Attenuation & Average Power @ MHz: dB/100 ft (dB/100 m): 0.36 0.50 0.71 1.27 1.30
- Center Conductor DC Resistance: 0.067/1000 ft (0.0025/100 m): 0.148 0.21 0.30 0.50 0.71
- Shield DC Resistance: 0.067/1000 ft (0.0025/100 m): 2.00 (6.06)

Connectors
- N Male Straight: SPP-250-NM (1910-2853)
- N Male Right Angle: SPP-250-NMR (1910-2854)
- N Female: SPP-250-NF (1910-2851)
- N Female Bulkhead: SPP-250-NB (1910-2855)
- 7-16 DIN Male Straight: SPP-250-716M (1910-2850)
- 7-16 DIN Male Right Angle: SPP-250-716MR (1910-2853)

Assemblies

<table>
<thead>
<tr>
<th>Frequency</th>
<th>Insertion Loss (dB)</th>
<th>Max VSWR</th>
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<tbody>
<tr>
<td>100 MHz</td>
<td>0.067/1000 ft (0.0025/100 m)</td>
<td>0.25 0.25 0.41 0.73 1.30</td>
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Available in any lengths with most popular connector combinations

SPP-250-LLPL™

In-Building Low Loss, Low PIM Plenum Rated Coaxial Cable Assemblies
- Excellent PIM (typical -160 dBc) for optimum system performance
- UL910 plenum rated satisfying building code requirements
- Super flexible for ease of installation
- Corrugated outer conductor providing greater than 100dB RF Shielding
- Wideband low VSWR typically 1.15:1 from 50 to 6000MHz covering all in-building technologies
- Durable FEP outer jacket is suitable for outdoor use

Physical Specifications
- Cable Construction: Inner Conductor: Solid bare copper, Outer Conductor: Seam welded corrugated copper tube, Dielectric: Tape wrapped low density PTFE
- Connector Codes: N = N male, NM = N male right angle, NF = N female, NB = N female bulkhead, DIN = 7/16 DIN male, DINRA = 7/16 DIN male right angle

Environmental Specifications
- Installation Temperature Range °F/°C: -67/ +392 (-55/ +200)
- Storage Temperature Range °F/°C: -67/ +392 (-55/ +200)
- Operating Temperature Range °F/°C: -67/ +392 (-55/ +200)

Electrical Specifications
- Velocity of Propagation %: 78
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Available in any lengths with most popular connector combinations

SPP-250-LLPL 50 Ohm low loss plenum rated coaxial cable assemblies
- Standard assemblies in 1, 2 and 3 meter lengths with popular connector combinations (see table on next page for a complete listing).
- Custom length assemblies are available
- 10 year Times Microwave warranty

SPP-250-LLPL-07/13

World Headquarters: 358 Hall Avenue, Wallingford, CT 06492 • Tel: 203-949-8400, 1-800-867-2829 Fax: 203-949-8423
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SPP-250-LLPL (15314)

Physical Specifications

- **Inner Conductor:** Solid bare copper
- **Outer Conductor:** Seam welded corrugated copper tube
- **Dielectric:** Tape wrapped low density PTFE
- **Jacket:** Extruded FEP

Ordering Information for Jumpers

- Custom length assemblies are available
- Standard assemblies in 1, 2, and 3 meter lengths with popular connector combinations (see table on next page for a complete listing)
- Custom length assemblies are available
- 10 year Times Microwave warranty

Electrical Specifications

- **Operating Temperature Range:** °F/°C
- **Weight:** lbs/1000 ft (kg/km)
- **Flat Plate Crush Strength:** lbf (kgm)
- **Bend radius:** in (mm)
- **Center Conductor:** Solid Bare Copper; OD: in (mm)
- **Dielectric:** Tape Wrapped Low Density PTFE; OD: in (mm)
- **Jacket:** Extruded FEP; OD: in (mm)

Environmental Specifications

- **Connector Codes:**
  - N Male Straight
  - N Male Right Angle
  - N Female
  - N Female Bulkhead

- **Frequency:**
  - 100 MHz
  - 1000 MHz
  - 2000 MHz
  - 6000 MHz

- **Max VSWR:**
  - 1.25
  - 1.25

- **VSWR:**
  - 1.25
  - 1.25

- **Attenuation & Average Power:**
  - 0.50 (dB/100 ft)

- **Typical VSWR:**
  - 1.15:1 from 50 to 6000 MHz covering all installation building code requirements

- **Excellent PIM (typically -160 dBc) for optimum system performance**
- **UL910 plenum rated satisfying building code requirements**
- **Super flexible for ease of installation**
- **Corrugated copper outer conductor providing greater than 100dB RF Shielding**
- **Wideband low VSWR typically 1.15:1 from 50 to 6000 MHz covering all in-building technologies**
- **Durable FEP outer jacket is suitable for outdoor use**

- ISO 9001 Certified

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