

HUBER+SUHNER® NANOBEND™ Cable Information

Description

- Impedance 50 Ω
- Stock delivery on standard lengths
- Current Available Configurations applicable up to 65 GHz
- Connections available that are found nowhere else in our current product offerings, including: Size 12 SMPM, Size 16 SMPS, Nanominiature Connections (pictured at right), VITA 67.1/2 SMPM, VITA 67.3 SMPM and SMPS, and more!



What is it? NANOBEND™ is a new and flexible, high-frequency coaxial cable assembly that is designed for use in low profile, internal, point-to-point interconnections between RF modules within communications systems. As the newest entrant found in the MINIBEND™ family of standard flexible cables, NANOBEND brings the same capabilities you depend on, but now in the smallest diameter available.

NANOBEND™ – Available Cable Connectors

Compatible Connectors (Other connectors may be made available upon request)

| Requirements |
|--|
| HUBER+SUHNER®-designed Nanominiature Connections, both Plug and Jack |
| SMA and SMA Bulkhead |
| SMPM and SMPM Plus |
| SMP |
| SK and SK Bulkhead |
| Size 12 SMPM |
| Size 16 SMPS |
| VITA 67.1/2 and VITA 67.3 SMPM Connector |
| VITA 67.3 SMPS Connector |

Technical Drawing

| Cable | Inner Conductor | Dielectric | Outer Conductor | Barrier | Outer Braid | Jacket | Outer Diameter |
|---------|-----------------|--------------|----------------------------|---------------------------|-----------------------|--------|----------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | |
| 32061SE | CuAg (SPC) Wire | Extruded TFE | CuAg (SPC) flat wire braid | Aluminum / Polyimide Tape | Stainless Steel Braid | FEP | 1.6 mm |

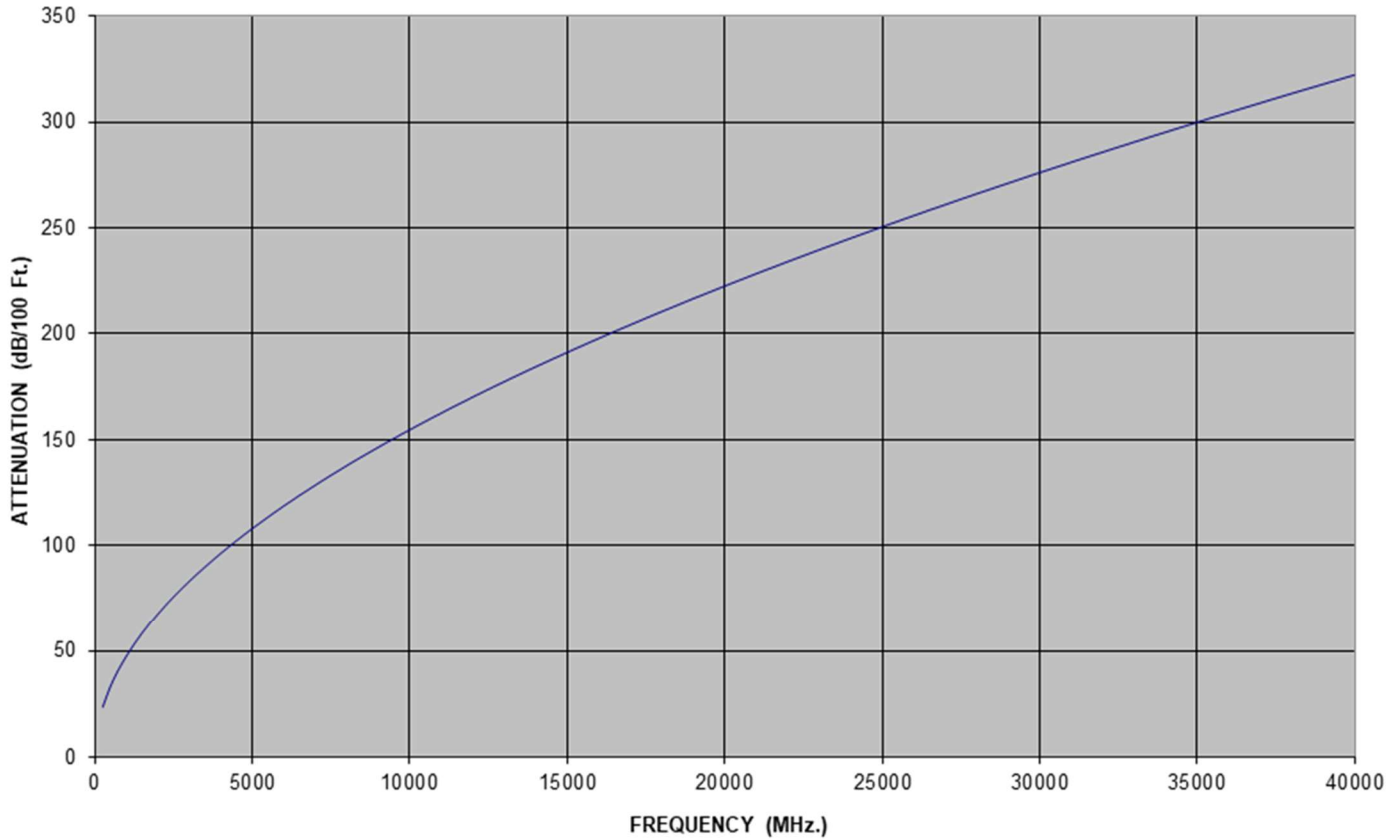
| Cable | Operating Frequency | Velocity (nominal) | Weight (nominal) | Static Min. Bend Radius | Impedance | Temp. Range |
|---------|---------------------|--------------------|------------------|-------------------------|-----------|-------------|
| | GHz | % | g/m | mm | Ω | °C |
| 32061SE | 110 | 70.3 | 14.9 | 5.08 | 50 | -55 to +200 |



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Performance Graph

ATTENUATION OF 32061SE



Ordering information

| Product | Description | H+S Item number |
|----------------------------|------------------------------------|------------------------------|
| NANOBEND™ Cable Assemblies | 32061SE Cable + Specified Assembly | Via HUBER+SUHNER Price Lists |

Longer, specialty lengths can be made available upon request; please note, the service class delivery lead times for specialty ordered cables will be longer than standard lengths. Discuss customized and further NANOBEND connector configurations listed on the preceding page with your HUBER+SUHNER customer representative and sales professional for ordering and delivery times.