High Performance RF Cable Materials

You have cable-making challenges. We have *engineered wire solutions*.

Leading Supplier to the Microwave and RF Cable industry, Ulbrich is your source for a broad range of precision wires for your specialty cable requirements. Ulbrich’s quality, technology and know-how will drive your performance higher.

- Consistent Performance
- Reduced VSWR Spikes
- Improved Flex Life
- High Aspect Ratio
- Higher Strength
- Lighter Weight
- 4-Axis FFT Analysis and Reporting
- Precision Drawing and Annealing
- In-Line Statistical Process Controls Ensure High Cpk & Ppk Values
- Customized Mechanical Properties Enable Wrap Optimization and Variability Control
- In-House Silver Plating
- Special Alloys Available on Request
- ISO 9001:2008, ASTM B298 Compliant
# Center Conductor Wire

**MATERIALS**
- Bare and Silver Plated Copper
- Silver Plated Copper Clad Aluminum
- Silver Plated Copper Clad Steel

**DIAMETERS**
- 0.002” to 0.294” (44 AWG to 1 AWG)
- 0.008” to 0.294” (32 AWG to 1 AWG)
- 0.004” to 0.040” (38 AWG to 18 AWG)

**COMMON SPOOLS**
- 12” Flange (D-50), 8” Flange (D-25), 5” Flange (D-5), 22” Reel, Other Sizes to Meet Customer Needs

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# Helical Wrap Wire

**ASPECT RATIOS**
- Up to 420:1

**SIZE RANGES AVAILABLE**
- Thickness: 0.0005” (0.0127mm) – 0.010” (0.25mm)
  - Width: 0.020” (0.5mm) – 0.325” (8.255mm)

**MATERIALS AVAILABLE**
- Bare Copper and Silver Plated Copper (CD102, CD110)

**PACKAGING**
- Available in Biconical or Straight Flanged Spools

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# Braid Wire

**SIZE RANGES AVAILABLE**
- Thickness: 0.0007” (0.018mm) – 0.006” (0.152mm)
  - Width: 0.008” (0.2mm) – 0.150” (3.8mm)

**MATERIALS AVAILABLE**
- Silver Plated Copper, Tin Plated Copper, Bare Copper, Copper Alloys

**PACKAGING**
- Wardwell/Hacoba, Steeger and other specialty bobbins

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