



We Deliver Precision®

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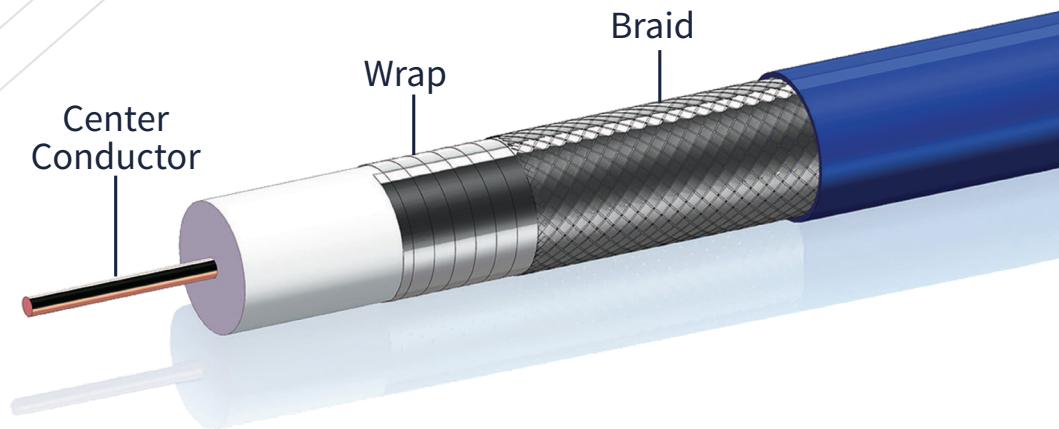
ULBRICH SPECIALTY WIRE PRODUCTS

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## CAPABILITY SHEET

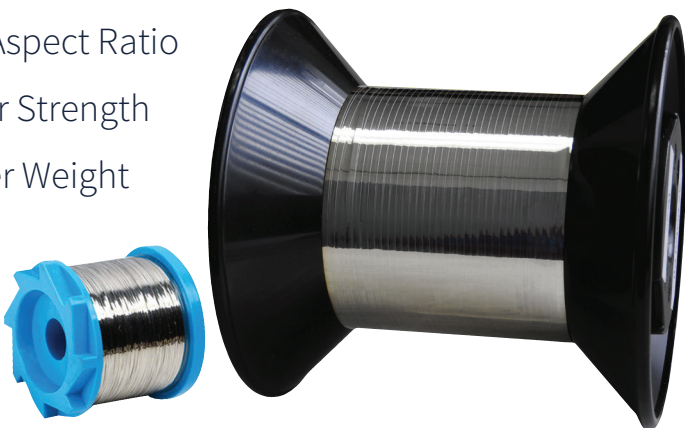
# High Performance RF Cable Materials



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 & DIAMETERS AVAILABLE

Bare and Silver Plated Copper  
0.002" to 0.294" (44 AWG to 1 AWG)

Silver Plated Copper Clad Aluminum  
0.005" to 0.160" (32 AWG to 1 AWG)

Silver Plated Copper Clad Steel  
0.004" to 0.060" (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

## 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

## 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