

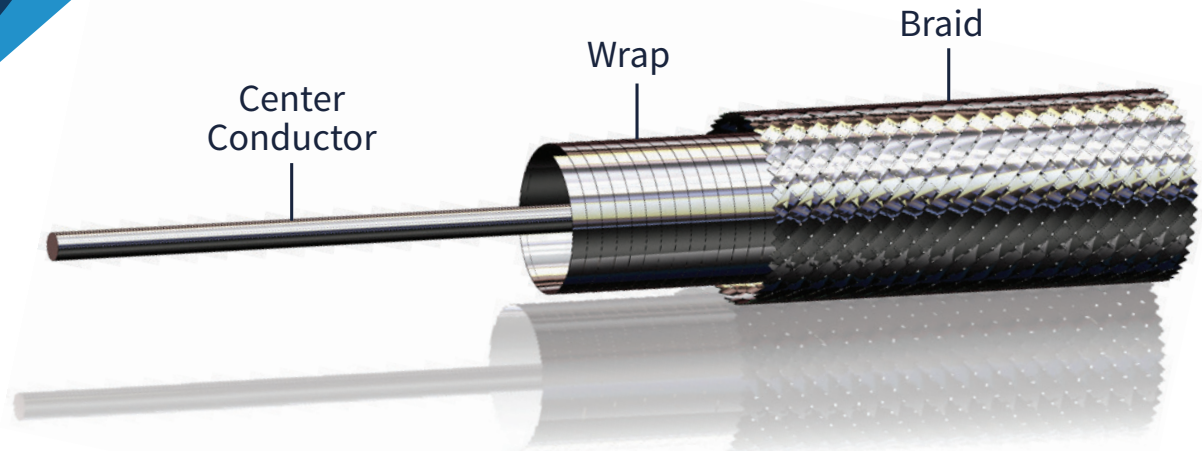


We Deliver Precision®

ULBRICH.COM

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.

- Customized Mechanical Properties Enable Wrap Optimization and Variability Control
- Consistent Performance / Reduced VSWR Spikes
- High Aspect Ratio and Improved Flex-Life
- Higher Strength and Lighter Weight Materials
- Various Markets and Applications Served
- 4-Axis FFT Analysis and Reporting
- Precision Drawing and Annealing
- In-Line Statistical Process Controls Ensure High Cpk and Ppk Values
- In-House Silver Plating to Concise Customer Requirements
- Special Alloys Available on Request
- ISO 9001:2015, ASTM B298 Compliant
- Global Manufacturing and Sales Reps



ULBRICH SPECIALTY WIRE PRODUCTS

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CENTER CONDUCTOR WIRE

MATERIALS & DIAMETERS AVAILABLE

Bare and Silver Plated Copper/Copper Alloy HSC-24
0.002" (0.05mm) to 0.294" (7.47mm) (44 AWG to 1 AWG)

Silver Plated Copper Clad Aluminum
0.005" (0.13mm) to 0.160" (4.06mm) (36 AWG to 6 AWG)

Silver Plated Copper Clad Steel
0.004" (0.1mm) to 0.060" (1.5mm) (38 AWG to 15 AWG)

PACKAGING

12" (305mm) Flange (D-50), 8" (203mm) Flange (D-25),
5" (127mm) Flange (D-5), 22" (559mm) Reel,
Other Sizes to Meet Customer Needs



HELICAL WRAP WIRE

ASPECT RATIOS

Up to 420:1

SIZE RANGES AVAILABLE

Thickness: 0.0005" (0.013mm) to 0.010" (0.25mm)
Width: 0.020" (0.5mm) to 0.325" (8.26mm)

MATERIALS AVAILABLE

Bare Copper and Silver Plated Copper (CD102, CD110),
Bare and Silver HSC-24 Alloy

PACKAGING

Available in Biconical or Straight Flanged Spools



SIZE RANGES AVAILABLE

Thickness: 0.0007" (0.018mm) to 0.006" (0.152mm)
Width: 0.008" (0.2mm) to 0.150" (3.8mm)

MATERIALS AVAILABLE

Silver Plated Copper, Tin Plated Copper,
Bare Copper, Copper Alloys, HSC-24

PACKAGING

Wardwell/Hacoba, Steeger and
Other Specialty Bobbins



BRAID WIRE

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