



We Deliver Precision®

ULBRICH.COM

ULBRICH SPECIALTY WIRE PRODUCTS

692 Plant Road  
Westminster, SC 29693

(864) 647-6087  
info@ulbrich.com

CAPABILITY SHEET

# Ulbrich SPCCS

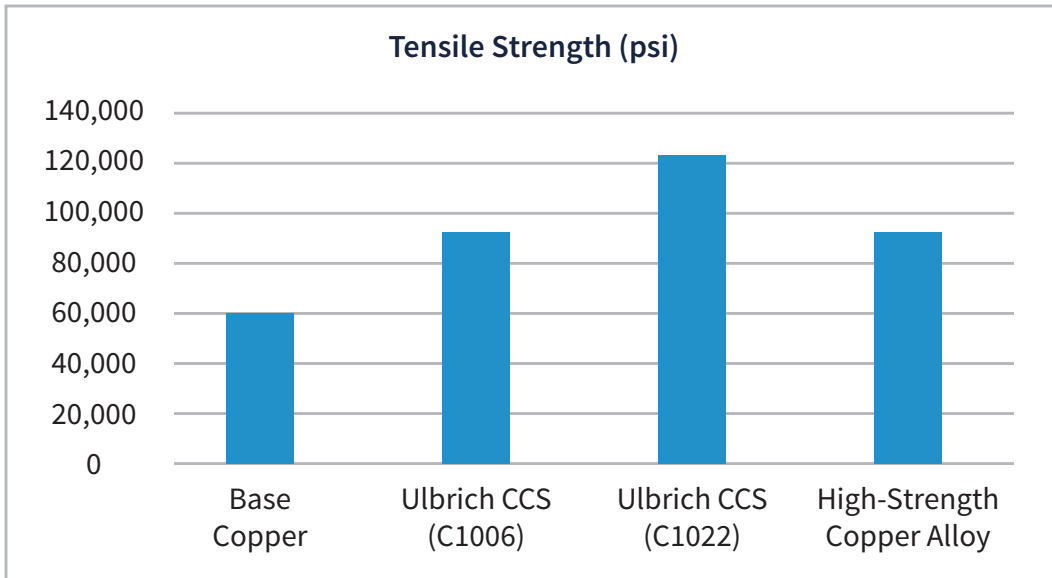
## Silver Plated Copper Clad Steel

*Precision Drawn, Rolled and Plated Ulbrich SPCCS*

**Applications:** Wrap, Braid and Center Conductor materials for RF and Microwave Cables

Ulbrich is committed to delivering high precision products, now with the added benefit of bi-metal construction for high strength applications. SPCCS can be manufactured into both round and flat sizes comparable to other copper products.

**Strength:** Ulbrich SPCCS is a stronger alternative to pure copper 50% while retaining desirable electrical properties. This material is ideal for applications where a stronger material is needed without the increase costs of some of the other “high-strength” copper alloys. A graph is included below showing the difference in tensile strength between pure copper, copper clad steel and high strength copper alloy round wires.



**Available Sizes**

- Diameter:** 0.004” to 0.040”
- Thickness:** 0.001” to 0.010”
- Width:** 0.010” to 0.030”

Property	Copper Wire	Ulbrich CCS (C1006)	Ulbrich CCS (C1022)	High-Strength Copper Alloy
Tensile (psi)	60,300	94,100	123,000	92,000
Yield (psi)	59,300	84,300	108,300	90,700
Electrical Resistivity [Ohms m]	6.46	15.85	15.85	Pending