



**CRYSTEK**  
MICROWAVE  
A DIVISION OF CRYSTEK CORPORATION

# EZEE CONNECT

## 18 GHz PRECISION RF

### COAX CABLE ASSEMBLIES

## EZEE CONNECT Stainless Steel Connectors

### SS402 50 Ohm 18G Hz Precision Coaxial Cables



**EZEE CONNECT** makes multiple connections simple. Connectors are designed to allow for finger tightening. Connectors also incorporate hex nut configuration when torque requirements are needed. Perfect for Lab and Field Use.

#### Features:

- Strain Relief:** Heavy duty adhesive strain relief
- Center Conductor:** SPCCS (Silver-Plated Copper Clad Steel)
- Inner Shielding:** SS (Spiral Strip Of Silver-Plated Copper)
- Outer Braid:** SPC (Silver-Plated Copper Braid)
- Insulation:** PTFE (Polytetrafluoroethylene) dielectric
- Jacket:** ETFE (Ethylene Tetrafluoroethylene Copolymer)
- Cable Outer Dia.** 0.163" (4.14mm)
- Connectors:** SST, corrosion-resistant 303 stainless steel per ASTM-A582 (Passivated finish per SAE-AMS-2700)
- Center Pin:** GPBC (Gold-Plated Beryllium Copper)
- Jacket Color:** Blue
- Operating Temperature:** -40°C to +85°C

**Minimum Bend Radius:** 0.8"

#### Available Connectors:

- SMA Male
- SMA Male Right Angle



#### Custom Lengths Available

#### SMA / SMA [Straight/Straight]

Part Number	Description	Length
CCESMA-MM-SS402-12	SS402 Precision Coax Cable, SMA Male/Male, Straight/Straight	12"
CCESMA-MM-SS402-24	SS402 Precision Coax Cable, SMA Male/Male, Straight/Straight	24"
CCESMA-MM-SS402-36	SS402 Precision Coax Cable, SMA Male/Male, Straight/Straight	36"
CCESMA-MM-SS402-48	SS402 Precision Coax Cable, SMA Male/Male, Straight/Straight	48"
CCESMA-MM-SS402-60	SS402 Precision Coax Cable, SMA Male/Male, Straight/Straight	60"
CCESMA-MM-SS402-72	SS402 Precision Coax Cable, SMA Male/Male, Straight/Straight	72"
CCESMA-MM-SS402-120	SS402 Precision Coax Cable, SMA Male/Male, Straight/Straight	120"

#### Electrical Specifications:

- Impedance:** 50 Ohms
- Frequency:** 18 GHz
- Insertion Loss:** 0.58 dB/ft Typ at 18 GHz
- VSWR:** <1.3, DC to 18 GHz
- Nominal Capacitance:** 29.4 pF/ft
- Velocity of Propagation:** 70%
- Shield Effectiveness:** Greater than 110 dB
- Attenuation (dB/ft):** 0.07 Typical at 400 MHz  
\*connector loss not included  
0.11 Typical at 1 GHz  
0.16 Typical at 2 GHz  
0.21 Typical at 3 GHz  
0.27 Typical at 5 GHz  
0.41 Typical at 10 GHz  
0.58 Typical at 18 GHz

- Max Power in (Watts):** 1100 @ 400 MHz  
\*as specified at 25°C  
550 @ 1 GHz  
350 @ 3 GHz  
245 @ 5 GHz  
140 @ 10 GHz

#### Mechanical Specifications:

- Connector Corrosion (salt spray):** MIL-STD-202, method 101, test cond. B 5% salt solution.
- Connector Durability:** 500 connections Minimum



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