



**CRYSTEK**  
MICROWAVE  
A DIVISION OF CRYSTEK CORPORATION

# EZEE CONNECT

## 18GHZ PRECISION RF COAX CABLE ASSEMBLIES

### EZEE CONNECT Stainless Steel Connectors

#### SS402 50 Ohm 18GHz 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
- Cable Outer Dia.** 0.163 (4.14mm)
- Connectors:** SST, corrosion-resistant, per ASTM-A582 (Passivated finish per SAE-AMS-2700)
- Center Pin:** GPBC( Gold-plated beryllium copper)
- Jacket Color:** Blue
- Operating Temperature:** -55°C to +85°C  
(Also available in -55°C to +125°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 18GHz
- VSWR:** <1.3, DC to 18GHz
- Nominal Capacitance:** 29.4 pF/ft
- Velocity of Propagation:** 70%
- RF Shielding:** < -110 dB
- Attenuation (dB/ft):** 0.07 Typ. at 400MHz  
\*connector loss not included
- 0.11 Typ. at 1GHz
- 0.16 Typ. at 2GHz
- 0.21 Typ. at 3GHz
- 0.27 Typ at 5GHz
- 0.41 Typ at 10GHz
- 0.58 Typ at 18GHz

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

#### Mechanical Specifications:

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



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