



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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