



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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