



CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

**18 GHZ LOW LOSS
 ULTRA- FLEXIBLE
 RF COAX CABLE ASSEMBLY**

18 GHz Low Loss Armored Ultra-Flexible Coaxial Cable

Features:

- Strain Relief:** Heavy duty adhesive strain relief
- Center Conductor:** Silver Plated Stranded 19/0.0113
- Inner Braid:** Flat silver-plated copper strip
- Outer Braid:** PC (Round Silver-Plated Copper Braid)
- Dielectric:** Low density PTFE (Polytetrafluoroethylene)
- Inner Jacket:** High Temperature Resin
- Outer Jacket:** Ruggedized Aramid Yarn
- Cable Outer Diameter:** 0.267" (6.8mm)
- 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/Black
- Operating Temperature:** -40°C to +85°C

Electrical Specifications:

- Impedance:** 50 Ohms
- Frequency:** Up to 18 GHz
- Insertion Loss:** <0.38 dB/ft at 18 GHz
- VSWR:** <1.30 to 18 GHz
- Velocity of Propagation:** 77%
- Shield Effectiveness:** Greater than -90 dB
- Attenuation (dB/ft):** 0.08 Max at 1 GHz
 *connector loss not included 0.14 Max at 3 GHz
 0.20 Max at 6 GHz
 0.30 Max at 12 GHz
 0.38 Max at 18 GHz

Minimum Bend Radius: 1.18"

Custom Lengths Available

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

Great For Lab Use.
 Aramid Yarn Jacketed.
 Rated For Multi-Bend Applications.



SMA / SMA [Straight/Straight]

Part Number	Description	Length
CCSMA18-MM-AUF-39.4	18 GHz Low Loss Coax Cable, SMA Male/Male, Straight/Straight	39.4"



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