



**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

**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

#### 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

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"



**CRYSTEK**  
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# Mouser Electronics

Authorized Distributor

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