



# CRYSTEK

## MICROWAVE

A DIVISION OF CRYSTEK CORPORATION

## 26.5 GHZ LOW LOSS RF COAX CABLE ASSEMBLIES 2.92mm(K) AND SMA STAINLESS STEEL CONNECTORS



### 26.5 GHz Low Loss Coaxial Cables

#### Features:

- Strain Relief:** Heavy duty adhesive strain relief
- Center Conductor:** Silver-plated solid copper
- Inner Braid:** Flat silver-plated copper strip
- Outer Braid:** PC (Round Silver-Plated Copper Braid)
- Dielectric:** Low density microporous PTFE (Polytetrafluoroethylene)
- Jacket:** FEP (Fluorinated Ethylene Propylene)
- Cable Outer Diameter:** 0.205" (5.21mm)
- 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:** Grey
- Operating Temperature:** -40°C to +85°C

**Minimum Bend Radius:** 1.1"

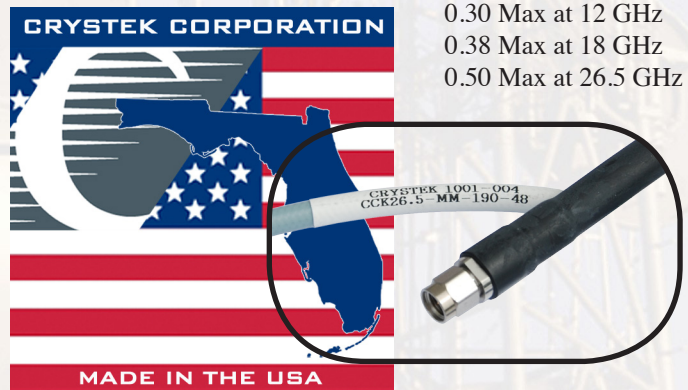
*Custom Lengths Available*

- 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 26.5 GHz
- Insertion Loss:** <0.5 dB/ft at 26.5 GHz
- VSWR:** <1.35 to 26.5 GHz
- Max Operating Voltage:** 500V RMS
- Nominal Capacitance:** 27.0 pF/ft
- Velocity of Propagation:** 76%
- Shield Effectiveness:** Greater than 90 dB
- Attenuation (dB/ft):** 0.05 Max at 500 MHz  
0.11 Max at 2 GHz  
0.30 Max at 12 GHz  
0.38 Max at 18 GHz  
0.50 Max at 26.5 GHz

\*connector loss not included



Electrical Test Data Supplied With Each Cable Assembly

### 2.92mm(K) / 2.92mm(K) [Straight/Straight]

| Part Number         | Description  | Length |
|---------------------|--|--------|
| CCK26.5-MM-190-30   | 26.5 GHz Low Loss Coax Cable, 2.92mm(K) Male/Male, Straight/Straight | 30"    |
| CCK26.5-MM-190-36   | 26.5 GHz Low Loss Coax Cable, 2.92mm(K) Male/Male, Straight/Straight | 36"    |
| CCK26.5-MM-190-39.4 | 26.5 GHz Low Loss Coax Cable, 2.92mm(K) Male/Male, Straight/Straight | 39.4"  |
| CCK26.5-MM-190-48   | 26.5 GHz Low Loss Coax Cable, 2.92mm(K) Male/Male, Straight/Straight | 48"    |

### SMA / SMA [Straight/Straight]

| Part Number           | Description  | Length |
|-----------------------|--|--------|
| CCSMA26.5-MM-190-30   | 26.5 GHz Low Loss Coax Cable, SMA Male/Male, Straight/Straight | 30"    |
| CCSMA26.5-MM-190-36   | 26.5 GHz Low Loss Coax Cable, SMA Male/Male, Straight/Straight | 36"    |
| CCSMA26.5-MM-190-39.4 | 26.5 GHz Low Loss Coax Cable, SMA Male/Male, Straight/Straight | 39.4"  |
| CCSMA26.5-MM-190-48   | 26.5 GHz Low Loss Coax Cable, SMA Male/Male, Straight/Straight | 48"    |



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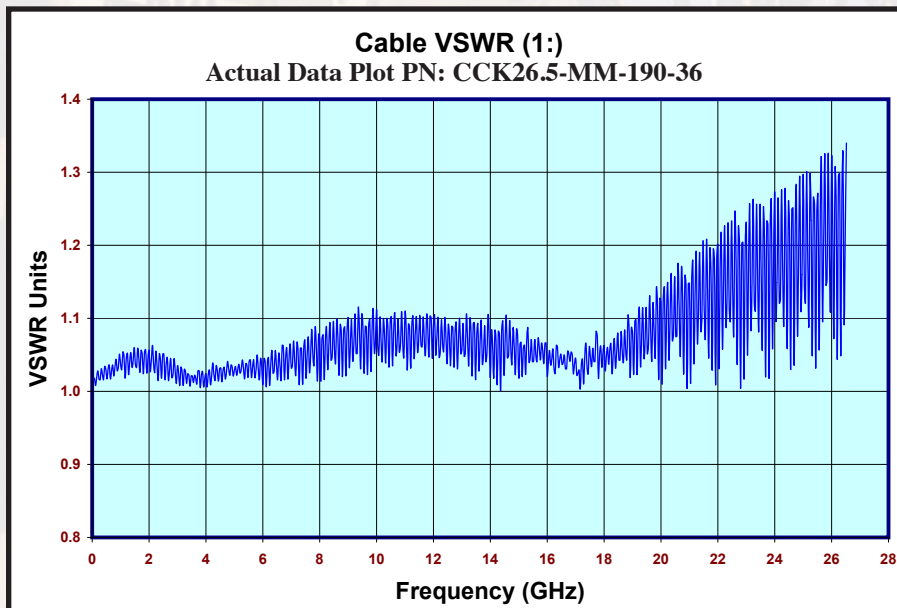
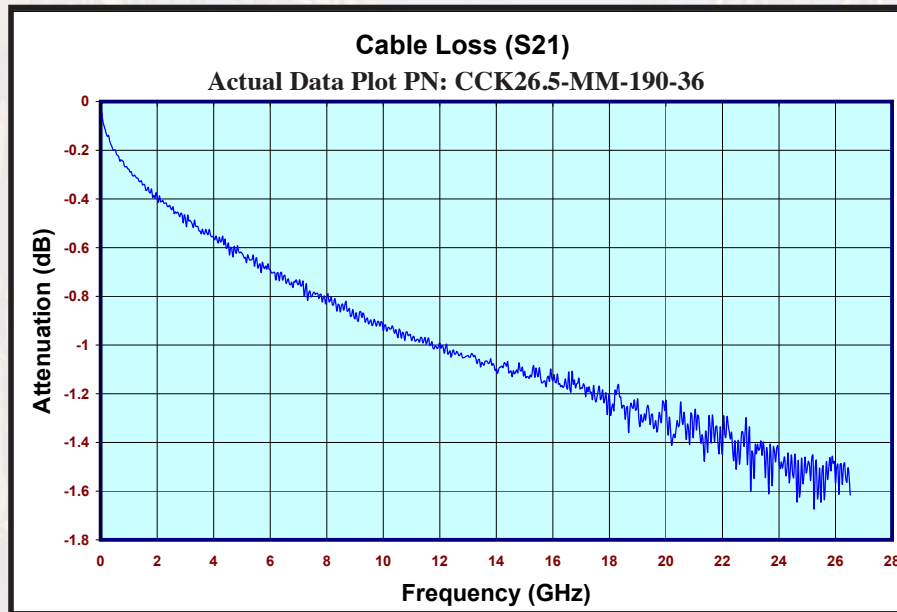
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Rev.: C  
Date: 04-07-14



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