UT-390 High Power, Low Loss Semi-Rigid Coaxial Assemblies

Features:
- Center Conductor: SPC (Silver-Plated Solid Copper)
- Outer Conductor: Semi-rigid copper
- Dielectric: PTFE (Polytetrafluoroethylene)
- Cable Outer Diameter: 0.390" (9.906mm)
- Connectors: Silver-plated brass
- Center Pin: Silver-plated phosphor bronze
- Operating Temperature: -40°C to +85°C
- Minimum Bend Radius: 0.75"
- Assembly Length: 60" Max

Electrical Specifications:
- Impedance: 50 Ohms
- Frequency (7/16 Conn.): Up to 2.1 GHz
- Insertion Loss: <0.05 dB/ft at 1 GHz
- VSWR: <1.3 to 2.1 GHz
- Voltage Withstanding: 12k VRMS @ 60 Hz
- Corona Extinction Volts.: 6k VRMS @ 60 Hz
- Nominal Capacitance: 29.0 pF/ft
- Velocity of Propagation: 70%
- Attenuation (dB/ft): 0.03 Max at 500 MHz
- *connector loss not included
- 0.05 Max at 1 GHz
- 0.13 Max at 5 GHz
- 0.20 Max at 10 GHz
- Power Handling (Watts): 900 Max at 2.1 GHz
  (Watts CW at 20 degrees Celsius and Sea level)

Mechanical Specifications:
- Connector Durability: 500 connections Minimum

Electrical Test Data Supplied With Each Cable Assembly

Customer Specified Length

7/16 / 7/16 [Straight/Straight]

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Length</th>
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</thead>
<tbody>
<tr>
<td>CCUT-MM-390-XX</td>
<td>Low Loss UT-390 Coax Cable, 7/16 Male/Male, Straight/Straight</td>
<td>Inches</td>
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</tbody>
</table>
HIGH POWER, LOW LOSS
UT-390 SEMI-RIGID COAX
CABLE ASSEMBLY WITH
7/16 CONNECTORS

Actual Data Plot PN: CCUT-MM-390-19

S11 Insertion Loss

Actual Data Plot PN: CCUT-MM-390-19

S12 VSWR