

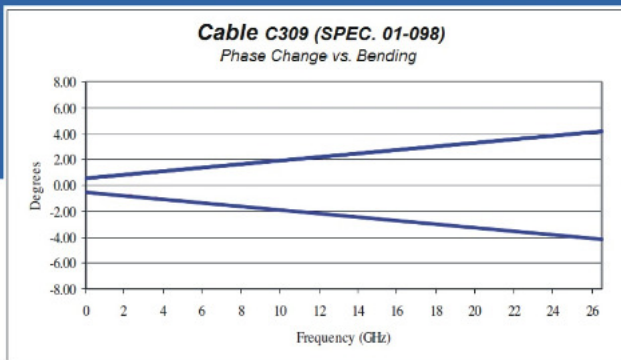
# Precision Microwave Cable Assembly



Ideal for test and measurement applications with high electrical performances

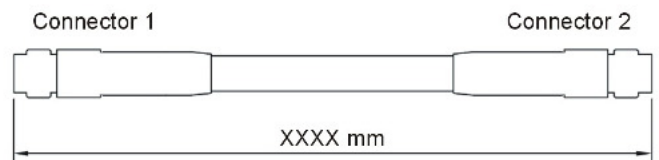
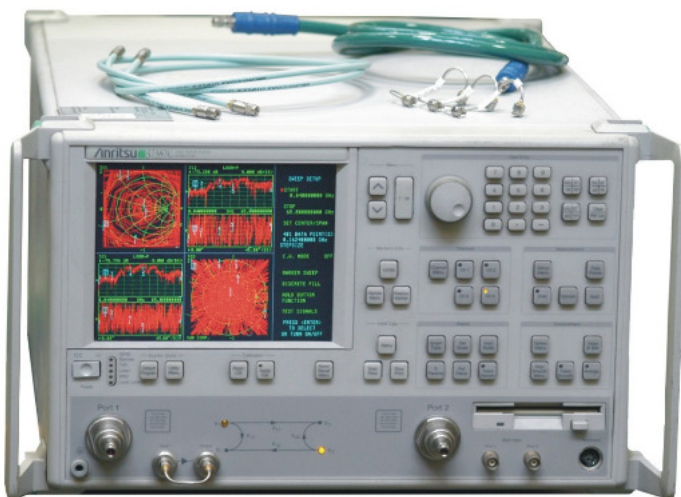
- Phase stable version -
- 18 and 26.5 GHz -

Precision Microwave Test Cable is a precision test cable assembly provide reliable precise and repeatable measurement with excellent loss VSWR and phase/flexure stability. Built to the best quality standard to ensure long service life and durability



## Product characteristics :

- accurate measurement
- Phase, loss and VSWR stable
- low loss 26.5 GHz cable
- SMA- 3.5 mm - N - connectors
- high flex life
- Armor option



## How to order :

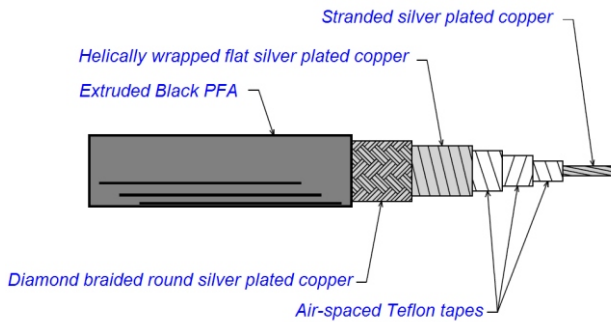
- 1) For connectors specify SMA - 3.5 mm - N - or TNC on each side and M for Male - F for Female
- 2) XXXX mm - specify cable length in mm
- 3) For armor option specify - A-

Code example without armor:  
SMAM - C309 - XXXX - SMAF

Code example with armour  
NM - C309 - xxxx - A - NF

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Cable cod: C309 (Spec. 01-098)



## Construction Details

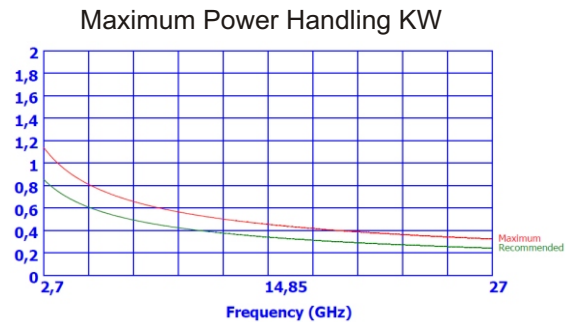
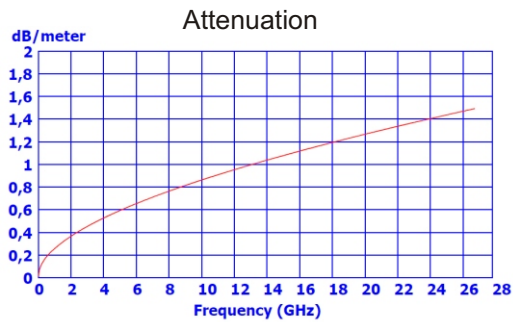
<b>Center Conductor:</b>	Stranded Silver Plated Copper
<b>Dielectric:</b>	Air Spaced Teflon Tape
<b>Primary Shield:</b>	Helically wrapped flat silver plated copper
<b>Third Shield:</b>	Diamond braided round silver plated copper
<b>Jacket:</b>	Extruded Black PFA

## Electrical Properties (Cable Only)

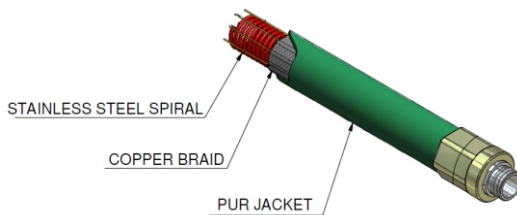
Impedance (ohms)	<b>50</b>
Velocity of Propagation (%)	<b>82 %</b>
Min. Shielding Effectiveness (dB)	<b>90</b>
Capacitance (pf/m)	<b>81.5</b>
Max Operating Freq (GHz)	<b>27.0</b>

## Physical Properties (Cable Only)

Maximum Temperature (deg C)	<b>-55 / +200</b>
Jacket O.D. (mm)	<b>5.2</b>
Round Braid O.D. (mm)	<b>4.7</b>
Helical Foil O.D. (mm)	<b>4.2</b>
Dielectric O.D. (mm)	<b>3.9</b>
Center Conductor (mm)	<b>1.5</b>
Inside Min. Bend Radius (mm)	<b>15.2</b>
Weight (g/m)	<b>56.6</b>



## Armor



### Features :

- Flexible
- UV Resistant
- Crush resistance 80 N/mm

### Mechanical Data

- Minimum bend radius : 12.7 mm
- Outer Diameter : 10.8

## Connectors Characteristics

### Available connectors :

- SMA Male and Female
- 3.5 mm Male and Female
- N Male and Female
- TNC Male and Female

### Mechanical Data

- Body stainless steel passivated
- Double captivated center contact gold plated

Rev. 01/2015

Note: The company reserves the right and may change or vary specification without prior written notice.



CPE Italia Group

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