

UP TO 11 GHz



## Miniaturized microwave cable assembly matched to SSMA connectors

### MAIN ADVANTAGES

- > Miniaturized cable :  $\varnothing$  1.05 mm.
- > High flexibility.
- > Miniaturized straight and right angle connectors.
- > High frequency : up to 11 GHz.

### CABLE ASSEMBLY GENERAL CHARACTERISTICS

- > Temperature rate :  $-55/+125^{\circ}\text{C}$ .
- > Impedance : 50  $\Omega$ .
- > VSWR < 1.35 up to 2GHz and < 1.9 up to 11GHz.

### APPLICATIONS

- > Military applications.
- > Any application where miniaturization, flexibility and high frequency are the most important criteria.

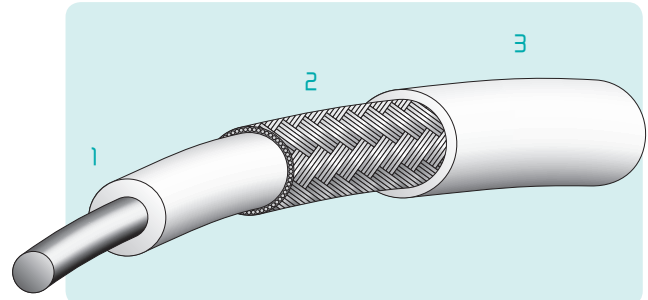
[www.axon-cable.com](http://www.axon-cable.com)

**axon'**  
cable & interconnect

# Miniaturized microwave cable assembly matched to SSMA connectors

## CABLE CONSTRUCTION

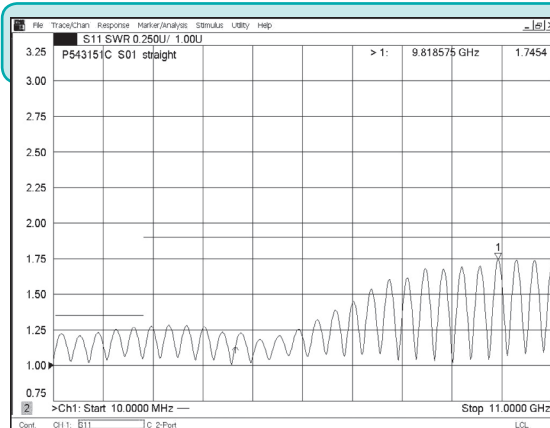
- 1 – Silver plated copper alloy conductor with extruded PTFE dielectric.
- 2 – Silver plated copper braided shield.
- 3 – FEP outer jacket.



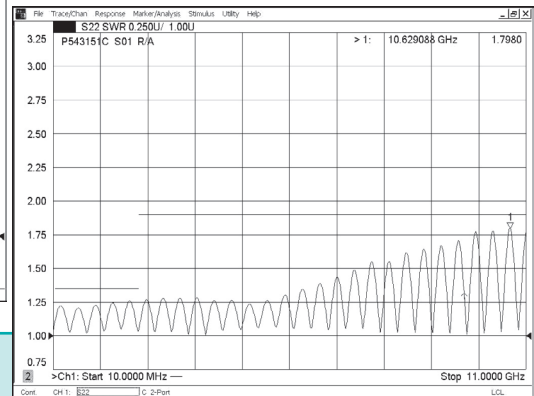
## CABLE GENERAL CHARACTERISTICS

Approx. weight : 2.9 g/m  
 Temperature rating : -90°C / +200°C  
 Capacitance : 97 pF/m  
 Impedance : 50 ±5 Ω  
 Attenuation at 200 MHz : 110 dB/100m

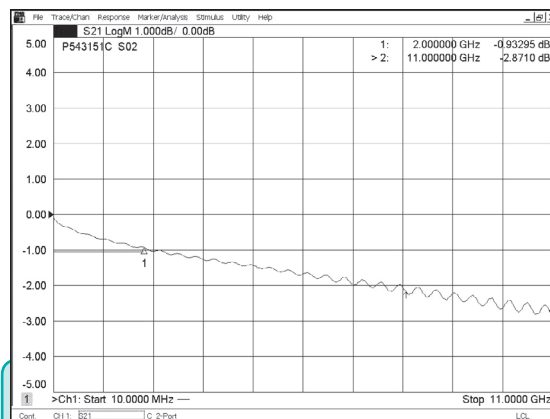
## TECHNICAL CHARACTERISTICS



VSWR for cable assembly with straight connector



VSWR for cable assembly with right angle connector



Cable assembly attenuation

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