



# CRYSTEK

## MICROWAVE

A DIVISION OF CRYSTEK CORPORATION

### RG-316 DOUBLE SHIELDED RF COAX CABLE ASSEMBLIES

- RG316DS 50 Ohm Coaxial Cables**
- SMA Male Straight / SMA Male Straight**
- SMA Male Straight / SMA Female Bulkhead**
- SMA Male Straight / SMA Male Right Angle**
- SMA Male Right Angle / SMA Male Right Angle**
- SMA Male Straight / BNC Male Straight**



#### Features:

- Strain Relief:** Adhesive shrink tubing over crimp area
- Center Conductor:** SCCS (Silver-Plated Copper Clad Steel Stranded)
- Shielding:** Double Braid, SPC(2) (Silver-plated copper)
- Insulation:** PTFE (Polytetrafluoroethylene) dielectric
- Jacket:** FEP (Fluorinated Ethylene Propylene)
- Operating Temperature:** -40°C to +85°C
- Minimum Bend Radius:** 0.6"

*Custom Lengths Available  
(Minimum Order Quantity Required)*

Electrical Data:  
PN: CCSMA-MM-RG316DS-24

Freq. (MHz)	Insertion Loss	VSWR
50	-0.035	1:1.014
500	-0.173	1:1.092
1000	-0.303	1:1.159
2000	-0.468	1:1.358
3000	-0.502	1:1.257
4000	-0.787	1:1.473
5000	-0.822	1:1.288
6000	-1.09	1:1.596
7000	-1.27	1:1.473
8000	-1.42	1:1.579

#### SMA / SMA [Straight/Straight]

Part Number	Description	Length
CCSMA-MM-RG316DS-6	RG316 Double Shielded Cable, SMA Male/Male, Straight/Straight	6"
CCSMA-MM-RG316DS-12	RG316 Double Shielded Cable, SMA Male/Male, Straight/Straight	12"
CCSMA-MM-RG316DS-24	RG316 Double Shielded Cable, SMA Male/Male, Straight/Straight	24"
CCSMA-MM-RG316DS-36	RG316 Double Shielded Cable, SMA Male/Male, Straight/Straight	36"
CCSMA-MM-RG316DS-48	RG316 Double Shielded Cable, SMA Male/Male, Straight/Straight	48"

#### SMA / SMA [Straight/Right Angle]

Part Number	Description	Length
CCSMA1-MM-RG316DS-6	RG316 Double Shielded Cable, SMA Male/Male, Straight/RA	6"
CCSMA1-MM-RG316DS-12	RG316 Double Shielded Cable, SMA Male/Male, Straight/RA	12"
CCSMA1-MM-RG316DS-24	RG316 Double Shielded Cable, SMA Male/Male, Straight/RA	24"
CCSMA1-MM-RG316DS-36	RG316 Double Shielded Cable, SMA Male/Male, Straight/RA	36"



**CRYSTEK**  
CORPORATION

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**RG-316 DOUBLE SHIELDED  
 RF COAX CABLE ASSEMBLIES**



**SMA / SMA [Right Angle/Right Angle]**

Part Number	Description	Length
CCSMA2-MM-RG316DS-6	RG316 Double Shielded Cable, SMA Male/Male, RA/RA	6"
CCSMA2-MM-RG316DS-12	RG316 Double Shielded Cable, SMA Male/Male, RA/RA	12"
CCSMA2-MM-RG316DS-24	RG316 Double Shielded Cable, SMA Male/Male, RA/RA	24"
CCSMA2-MM-RG316DS-36	RG316 Double Shielded Cable, SMA Male/Male, RA/RA	36"

**SMA / SMA [Male Stright/Female Straight]**

Part Number	Description	Length
CCSMA-MFB-RG316DS-12	RG316 Double Shielded Cable, SMA Male/Female, STR/Bulkhead	12"
CCSMA-MFB-RG316DS-24	RG316 Double Shielded Cable, SMA Male/Female, STR/Bulkhead	24"
CCSMA-MFB-RG316DS-36	RG316 Double Shielded Cable, SMA Male/Female, STR/Bulkhead	36"



**SMA / BNC [Straight/Straight]**

Part Number	Description	Length
CCBNS-MM-RG316DS-6	RG316 Double Shielded Cable, SMA Male/BNC Male, Straight	6"
CCBNS-MM-RG316DS-12	RG316 Double Shielded Cable, SMA Male/BNC Male, Straight	12"
CCBNS-MM-RG316DS-24	RG316 Double Shielded Cable, SMA Male/BNC Male, Straight	24"
CCBNS-MM-RG316DS-36	RG316 Double Shielded Cable, SMA Male/BNC Male, Straight	36"



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