



**CRYSTEK**  
**MICROWAVE**  
 A DIVISION OF CRYSTEK CORPORATION

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

**RG316DS 50 Ohm Coaxial Cables**  
**SMA / SMA [Straight/Straight]**



**Electrically Matched:**

**Each cable pair is electrically matched at 1GHz to within  
 10pSec. at +25°C**

Electrical Data:

PN: CCSMA-MM-RG316DS-24P

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

**Features:**

- Strain Relief:** Adhesive shrink tubing over crimp area
- Center Conductor:** SPC (Silver-plated copper)
- Shielding:** Double Braid, SPC(2) (Silver-plated copper)
- Insulation:** PTFE (Polytetrafluoroethylene) dielectric
- Jacket:** FEP (Fluorinated Ethylene Propylene)
- Operating Temperature:** -55°C to +85°C
- Minimum Bend Radius:** 0.6"

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

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



**CRYSTEK**  
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