



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 1 GHz to within 10pSec at +25°C

Electrical Data:

PN: CCSMA-MM-RG316DS-24P

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"

| 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-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" |



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