



CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RG-316 DOUBLE SHIELDED RF COAX CABLE ASSEMBLIES



RG316DS 50 Ohm Coaxial Cables

- SMA / SMA [Straight/Straight]
- SMA / SMA [Straight/Right Angle]
- SMA / SMA [Right Angle/Right Angle]
- SMA / BNC [Straight/Straight]



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 |

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"

Custom Lengths Available
(Minimum Order Quantity Required)

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" |



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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 / 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" |