



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: SPC (Silver-plated copper)
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"



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12730 COMMONWEALTH DRIVE • FORT MYERS, FL 33913
PHONE: 239-561-3311 • 800-237-3061
FAX: 239-561-1025 • WWW.CRYSTEK.COM

Rev.: G
Date: 6-11-14



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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 / 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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