

## Coaxial Adapters

### FEATURES:

- ❖ Frequency Range from DC-110GHz
- ❖ Compatible with different connector series
- ❖ Air Dielectric
- ❖ High Performance With All Different Series
- ❖ Ruggedized Construction for Repeatability And Reliably
- ❖ Economically Priced



### APPLICATIONS:

- ❖ Test equipment
- ❖ Telecommunications
- ❖ Satellite and Aerospace
- ❖ Microwave and Millimeter-wave

### DESCRIPTION:

**Cernex Coaxial Adapters** contain the In Series and Between Series products. They are precision grade connectors designed for use with different applications requiring excellent performance up to different level of GHz. Those adapters are designed to insure the outer conductors of mating connectors engage and align before the center contacts engage, preventing damage to the center contact tines. They are also provided for semi-rigid cable assemblies, connectors and precision adapters.

### SPECIFICATIONS:

#### **IN-SERIES:**

Model Number	Frequency Range (GHz)	Insertion Loss (Max)	VSWR (Max)	Description
C10F-10F	DC-110 GHz	0.45dB	1.3:1	1.0mm Female to 1.0mm Female Straight Adapter
C10M-10M	DC-110 GHz	0.45dB	1.3:1	1.0mm Male to 1.0mm Male Straight Adapter
C10M-10F	DC-110 GHz	0.45dB	1.3:1	1.0mm Male to 1.0mm Female Straight Adapter
C18F-18F	DC-65 GHz	-	1.25	1.85mm Female to 1.85mm Female Straight Adapter
C18M-18M	DC-65 GHz	-	1.25	1.85mm Male to 1.85mm Male Straight Adapter
C18M-18F	DC-65 GHz	-	1.25	1.85mm Male to 1.85mm Female Straight Adapter
C24F-24F	DC-50 GHz	-	1.20	2.4mm Female to 2.4mm Female Straight Adapter
C24M-24M	DC-50 GHz	-	1.20	2.4mm Male to 2.4mm Male Straight Adapter
C24M-24F	DC-50 GHz	-	1.20	2.4mm Male to 2.4mm Female Straight Adapter
C24F-24F90	DC-50 GHz	-	1.20	2.4mm Female to 2.4mm Female Right Angle Adapter
C24M-24M90	DC-50 GHz	-	1.20	2.4mm Male to 2.4mm Male Right Angle Adapter
C24M-24F90	DC-50 GHz	-	1.20	2.4mm Male to 2.4mm Female Right Angle Adapter
C24M-24MBH	DC-50 GHz	-	1.20	2.4mm Male to 2.4mm Male Bulkhead Adapter
C24M-24FBH	DC-50 GHz	-	1.20	2.4mm Male to 2.4mm Female Bulkhead Adapter
C24F-24FBH	DC-50 GHz	-	1.20	2.4mm Female to 2.4mm Female Bulkhead Adapter
C29F-29F	DC-40 GHz	0.2dB	1.20	2.9mm Female to 2.9mm Female Straight Adapter
C29M-29M	DC-40 GHz	0.2dB	1.20	2.9mm Male to 2.9mm Male Straight Adapter
C29M-29F	DC-40 GHz	0.2dB	1.20	2.9mm Male to 2.9mm Female Straight Adapter

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Model Number	Frequency Range (GHz)	Insertion Loss (Max)	VSWR (Max)	Description
C29F-29F90	DC-40 GHz	-	1.25	2.9mm Female to 2.9mm Female Right Angle Adapter
C29M-29M90	DC-40 GHz	-	1.25	2.9mm Male to 2.9mm Male Right Angle Adapter
C29M-29F90	DC-40 GHz	-	1.25	2.9mm Male to 2.9mm Female Right Angle Adapter
C29M-29MBH	DC-40 GHz	-	1.20	2.9mm Male to 2.9mm Male Bulkhead Mount Adapter
C29M-29FBH	DC-40 GHz	-	1.20	2.9mm Male to 2.9mm Female Bulkhead Mount Adapter
C29F-29FBH	DC-40 GHz	-	1.20	2.9mm Female to 2.9mm Female Bulkhead Mount Adapter
C35F-35F	DC-34 GHz	-	1.20	3.5mm Female to 3.5mm Female Straight Adapter
C35M-35M	DC-34 GHz	-	1.20	3.5mm Male to 3.5mm Male Straight Adapter
C35M-35F	DC-34 GHz	-	1.20	3.5mm Male to 3.5mm Female Straight Adapter
C35F-35F90	DC-34 GHz	-	1.25	3.5mm Female to 3.5mm Female Right Angle Adapter
C35M-35M90	DC-34 GHz	-	1.25	3.5mm Male to 3.5mm Male Right Angle Adapter
C35M-35F90	DC-34 GHz	-	1.25	3.5mm Male to 3.5mm Female Right Angle Adapter
C35M-35MBH	DC-34 GHz	-	1.20	3.5mm Male to 3.5mm Male Bulkhead Mount Adapter
C35M-35FBH	DC-34 GHz	-	1.20	3.5mm Male to 3.5mm Female Bulkhead Mount Adapter
C35F-35FBH	DC-34 GHz	-	1.20	3.5mm Female to 3.5mm Female Bulkhead Mount Adapter
CSF-SF6	DC-6 GHz	-	1.15	SMA Female to SMA Female Straight Adapter
CSM-SM6	DC-6 GHz	-	1.15	SMA Male to SMA Male Straight Adapter
CSM-SF6	DC-6 GHz	-	1.15	SMA Male to SMA Female Straight Adapter
CSF-SF690	DC-6 GHz	-	1.15	SMA Female to SMA Female Right Angle Adapter
CSM-SM690	DC-6 GHz	-	1.15	SMA Male to SMA Male Right Angle Adapter
CSM-SF690	DC-6 GHz	-	1.15	SMA Male to SMA Female Right Angle Adapter
CSF-SF18B	DC-18 GHz	-	1.15	SMA Female to SMA Female straight bulkhead adapter
CSM-SF18BHB	DC-18 GHz	-	1.15	SMA-Male To SMA-Female bulkhead adapter (Brass)
CSM-SM18B	DC-18 GHz	-	1.15	SMA Male to SMA Male straight adapter (Brass)
CSM-SF18B	DC-18 GHz	-	1.15	SMA Male to SMA Female straight adapter (Brass)
CSF-SF1890B	DC-18 GHz	-	1.15	SMA Female to SMA Female right angle adapter( Brass)
CSM-SM1890B	DC-18 GHz	-	1.15	SMA Male to SMA Male right angle adapter( Brass)
CSM-SF1890B	DC-18 GHz	-	1.15	SMA Male to SMA Female right angle adapter ( Brass)
CSF-SF18	DC-18 GHz	-	1.15	SMA Female to SMA Female Straight Adapter
CSM-SM18	DC-18 GHz	-	1.15	SMA Male to SMA Male Straight Adapter
CSM-SF18	DC-18 GHz	-	1.15	SMA Male to SMA Female Straight Adapter
CSF-SF1890	DC-18 GHz	-	1.15	SMA Female to SMA Female Right Angle Adapter
CSM-SM1890	DC-18 GHz	-	1.15	SMA Male to SMA Male Right Angle Adapter
CSM-SF1890	DC-18 GHz	-	1.15	SMA Male to SMA Female Right Angle Adapter
CSM-SM18BH	DC-18 GHz	-	1.15	SMA Male to SMA Male Bulkhead Mount Adapter
CSM-SF18BH	DC-18 GHz	-	1.15	SMA Male to SMA Female Bulkhead Mount Adapter
CSF-SF18BH	DC-18 GHz	-	1.15	SMA Female to SMA Female Bulkhead Mount Adapter
CSF-SF	DC-26.5 GHz	-	1.15	SMA Female to SMA Female Straight Adapter
CSM-SM	DC-26.5 GHz	-	1.15	SMA Male to SMA Male Straight Adapter
CSM-SF	DC-26.5 GHz	-	1.15	SMA Male to SMA Female Straight Adapter
CSF-SF90	DC-26.5 GHz	-	1.2	SMA Female to SMA Female Right Angle Adapter
CSM-SM90	DC-26.5 GHz	-	1.2	SMA Male to SMA Male Right Angle Adapter

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Model Number	Frequency Range (GHz)	Insertion Loss (Max)	VSWR (Max)	Description
CSM-SF90	DC-26.5 GHz	-	1.2	SMA Male to SMA Female Right Angle Adapter
CSM-SMBH	DC-26.5 GHz	-	1.2	SMA Male to SMA Male Bulkhead Mount Adapter
CSM-SFBH	DC-26.5 GHz	-	1.2	SMA Male to SMA Female Bulkhead Mount Adapter
CSF-SFBH	DC-26.5 GHz	-	1.2	SMA Female to SMA Female Bulkhead Mount Adapter
CSSM-SSM	DC-26.5 GHz	-	1.2	SSMA Male to SSMA Male Straight Adapter
CSSM-SSF	DC-26.5 GHz	-	1.2	SSMA Male to SSMA Female Straight Adapter
CSSF-SSF	DC-26.5 GHz	-	1.2	SSMA Female to SSMA Female Straight Adapter
CNM-NM12	DC-12 GHz	-	-	12GHz N Male to N Male Straight Adapter
CNM-NF12	DC-12 GHz	-	-	12GHz N Male to N Female Straight Adapter
CNF-NF12	DC-12 GHz	-	-	12GHz N Female to N Female Straight Adapter
CNM-NM	DC-18 GHz	-	-	18GHz N Male to N Male Straight Adapter
CNM-NF	DC-18 GHz	-	-	18GHz N Male to N Female Straight Adapter
CNF-NF	DC-18 GHz	-	-	18GHz N Female to N Female Straight Adapter
CNM-NMBH	DC-18 GHz	-	-	18GHz N Male to N Male Bulkhead Mount Adapter
CNM-NFBH	DC-18 GHz	-	-	18GHz N Male to N Female Bulkhead Mount Adapter
CNF-NFBH	DC-18 GHz	-	-	18GHz N Female to N Female Bulkhead Mount Adapter
CNM-NM1290	DC-12 GHz	-	-	12GHz N Male to N Male Right Angle Adapter
CNM-NF1290	DC-12 GHz	-	-	12GHz N Male to N Female Right Angle Adapter
CNF-NF1290	DC-12 GHz	-	-	12GHz N Female to N Female Right Angle Adapter
CTM-TM12	DC-12 GHz	-	-	12GHz TNC Male to TNC Male Straight Adapter
CTM-TF12	DC-12 GHz	-	-	12GHz TNC Male to TNC Female Straight Adapter
CTF-TF12	DC-12 GHz	-	-	12GHz TNC Female to TNC Female Straight Adapter
CTM-TM1290	DC-12 GHz	-	-	12GHz TNC Male to TNC Male Right Angle Adapter
CTM-TF1290	DC-12 GHz	-	-	12GHz TNC Male to TNC Female Right Angle Adapter
CTF-TF1290	DC-12 GHz	-	-	12GHz TNC Female to TNC Female Right Angle Adapter
CTM-TM	DC-18 GHz	-	-	18GHz TNC Male to TNC Male Straight Adapter
CTM-TF	DC-18 GHz	-	-	18GHz TNC Male to TNC Female Straight Adapter
CTF-TF	DC-18 GHz	-	-	18GHz TNC Female to TNC Female Straight Adapter

### BETWEEN-SERIES:

Model Number	Frequency Range (GHz)	Insertion Loss (Max)	VSWR (Max)	Description
C10M-18M	DC-65 GHz	0.45dB	1.3:1	1.0mm Male to 1.85mm Male Straight Adapter
C10M-18F	DC-65 GHz	0.45dB	1.3:1	1.0mm Male to 1.85mm Female Straight Adapter
C10F-18M	DC-65 GHz	0.45dB	1.3:1	1.0mm Female to 1.85mm Male Straight Adapter
C10F-18F	DC-65 GHz	0.45dB	1.3:1	1.0mm Female to 1.85mm Female Straight Adapter
C18F-24F	DC-50 GHz	-	-	1.85mm Female to 2.4mm Female Straight Adapter
C18M-24M	DC-50 GHz	-	-	1.85mm Male to 2.4mm Male Straight Adapter
C18M-24F	DC-50 GHz	-	-	1.85mm Male to 2.4mm Female Straight Adapter
C18F-24M	DC-50 GHz	-	-	1.85mm Female to 2.4mm Male Straight Adapter
C18F-29F	DC-40 GHz	-	-	1.85mm Female to 2.9mm Female Straight Adapter

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Model Number	Frequency Range (GHz)	Insertion Loss (Max)	VSWR (Max)	Description
C18M-29M	DC-40 GHz	-	-	1.85mm Male to 2.9mm Male Straight Adapter
C18M-29F	DC-40 GHz	-	-	1.85mm Male to 2.9mm Female Straight Adapter
C18F-29M	DC-40 GHz	-	-	1.85mm Female to 2.9mm Male Straight Adapter
C18F-35F	DC-34 GHz	-	-	1.85mm Female to 3.5mm Female Straight Adapter
C18M-35M	DC-34 GHz	-	-	1.85mm Male to 3.5mm Male Straight Adapter
C18M-35F	DC-34 GHz	-	-	1.85mm Male to 3.5mm Female Straight Adapter
C18F-35M	DC-34 GHz	-	-	1.85mm Female to 3.5mm Male Straight Adapter
C18F-SF	DC-26.5 GHz	-	-	1.85mm Female to SMA Female Straight Adapter
C18M-SM	DC-26.5 GHz	-	-	1.85mm Male to SMA Male Straight Adapter
C18M-SF	DC-26.5 GHz	-	-	1.85mm Male to SMA Female Straight Adapter
C18F-SM	DC-26.5 GHz	-	-	1.85mm Female to SMA Male Straight Adapter
C18F-SSF	DC-26.5 GHz	-	-	1.85mm Female to SSMA Female Straight Adapter
C18M-SSM	DC-26.5 GHz	-	-	1.85mm Male to SSMA Male Straight Adapter
C18M-SSF	DC-26.5GHz	-	-	1.85mm Male to SSMA Female Straight Adapter
C18F-SSM	DC-26.5 GHz	-	-	1.85mm Female to SSMA Male Straight Adapter
C18M-7	DC-18 GHz	-	-	1.8mm Male to APC7 (7mm)
C18F-7	DC-18 GHz	-	-	1.8mm Female to APC7 (7mm)
C24F-29F	DC-40 GHz	-	-	2.4mm Female to 2.9mm Female Straight Adapter
C24M-29M	DC-40 GHz	-	-	2.4mm Male to 2.9mm Male Straight Adapter
C24M-29F	DC-40 GHz	-	-	2.4mm Male to 2.9mm Female Straight Adapter
C24F-29M	DC-40 GHz	-	-	2.4mm Female to 2.9mm Male Straight Adapter
C24M-29MBH	DC-40 GHz	-	-	2.4mm Male to 2.9mm Male Bulkhead Mount Adapter
C24M-29FBH	DC-40 GHz	-	-	2.4mm Male to 2.9mm Female Bulkhead Mount Adapter
C24F-29MBH	DC-40 GHz	-	-	2.4mm Female to 2.9mm Male Bulkhead Mount Adapter
C24F-29FBH	DC-40 GHz	-	-	2.4mm Female to 2.9mm Female Bulkhead Mount Adapter
C24F-35F	DC-34 GHz	-	-	2.4mm Female to 3.5mm Female Straight Adapter
C24M-35M	DC-34 GHz	-	-	2.4mm Male to 3.5mm Male Straight Adapter
C24M-35F	DC-34 GHz	-	-	2.4mm Male to 3.5mm Female Straight Adapter
C24F-35M	DC-34 GHz	-	-	2.4mm Female to 3.5mm Male Straight Adapter
C24F-SF	DC-26.5 GHz	-	-	2.4mm Female to SMA Female Straight Adapter
C24M-SM	DC-26.5 GHz	-	-	2.4mm Male to SMA Male Straight Adapter
C24M-SF	DC-26.5 GHz	-	-	2.4mm Male to SMA Female Straight Adapter
C24F-SM	DC-26.5 GHz	-	-	2.4mm Female to SMA Male Straight Adapter
C24F-SSF	DC-26.5 GHz	-	-	2.4mm Female to SSMA Female Straight Adapter
C24M-SSM	DC-26.5 GHz	-	-	2.4mm Male to SSMA Male Straight Adapter
C24M-SSF	DC-26.5 GHz	-	-	2.4mm Male to SSMA Female Straight Adapter
C24F-SSM	DC-26.5 GHz	-	-	2.4mm Female to SSMA Male Straight Adapter
C24F-NF	DC-18 GHz	-	-	2.4mm Female to N Female Straight Adapter
C24M-NM	DC-18 GHz	-	-	2.4mm Male to N Male Straight Adapter
C24M-NF	DC-18 GHz	-	-	2.4mm Male to N Female Straight Adapter
C24F-NM	DC-18 GHz	-	-	2.4mm Female to N Male Straight Adapter

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Model Number	Frequency Range (GHz)	Insertion Loss (Max)	VSWR (Max)	Description
C24M-7	DC-18 GHz	-	-	2.4mm Male to 7mm Straight Adapter (APC7)
C24F-7	DC-18 GHz	-	-	2.4mm Female to 7mm Straight Adapter (APC7)
C29F-35F	DC-34 GHz	-	-	2.9mm Female to 3.5mm Female Straight Adapter
C29M-35M	DC-34 GHz	-	-	2.9mm Male to 3.5mm Male Straight Adapter
C29M-35F	DC-34 GHz	-	-	2.9mm Male to 3.5mm Female Straight Adapter
C29F-35M	DC-34 GHz	-	-	2.9mm Female to 3.5mm Male Straight Adapter
C29M-35MBH	DC-34 GHz	-	-	2.9mm Male to 3.5mm Male Bulkhead Mount Adapter
C29M-35FBH	DC-34 GHz	-	-	2.9mm Male to 3.5mm Female Bulkhead Mount Adapter
C29F-35MBH	DC-34 GHz	-	-	2.9mm Female to 3.5mm Male Bulkhead Mount Adapter
C29F-35FBH	DC-34 GHz	-	-	2.9mm Female to 3.5mm Female Bulkhead Mount Adapter
C29F-SF	DC-26.5 GHz	-	-	2.9mm Female to SMA Female Straight Adapter
C29M-SM	DC-26.5 GHz	-	-	2.9mm Male to SMA Male Straight Adapter
C29M-SF	DC-26.5 GHz	-	-	2.9mm Male to SMA Female Straight Adapter
C29F-SM	DC-26.5 GHz	-	-	2.9mm Female to SMA Male Straight Adapter
C29F-SSF	DC-26.5 GHz	-	-	2.9mm Female to SSMA Female Straight Adapter
C29M-SSM	DC-26.5 GHz	-	-	2.9mm Male to SSMA Male Straight Adapter
C29M-SSF	DC-26.5 GHz	-	-	2.9mm Male to SSMA Female Straight Adapter
C29F-SSM	DC-26.5 GHz	-	-	2.9mm Female to SSMA Male Straight Adapter
C29F-NF	DC-18 GHz	-	-	2.9mm Female to N Female Straight Adapter
C29M-NM	DC-18 GHz	-	-	2.9mm Male to N Male Straight Adapter
C29M-NF	DC-18 GHz	-	-	2.9mm Male to N Female Straight Adapter
C29F-NM	DC-18 GHz	-	-	2.9mm Female to N Male Straight Adapter
C29M-7	DC-18 GHz	-	-	2.9mm Male to 7mm Straight Adapter (APC7)
C29F-7	DC-18 GHz	-	-	2.9mm Female to 7mm Straight Adapter (APC7)
C35F-SF	DC-26.5 GHz	-	-	3.5mm Female to SMA Female Straight Adapter
C35M-SM	DC-26.5 GHz	-	-	3.5mm Male to SMA Male Straight Adapter
C35M-SF	DC-26.5 GHz	-	-	3.5mm Male to SMA Female Straight Adapter
C35F-SM	DC-26.5 GHz	-	-	3.5mm Female to SMA Male Straight Adapter
C35F-NF	DC-18 GHz	-	-	3.5mm Female to N Female Straight Adapter
C35M-NM	DC-18 GHz	-	-	3.5mm Male to N Male Straight Adapter
C35M-NF	DC-18 GHz	-	-	3.5mm Male to N Female Straight Adapter
C35F-NM	DC-18 GHz	-	-	3.5mm Female to N Male Straight Adapter
C35F-7F	DC-18 GHz	-	-	3.5mm Female to 7mm Female Straight Adapter (APC7)
C35M-7M	DC-18 GHz	-	-	3.5mm Female to 7mm Male Straight Adapter (APC7)
C35M-7F	DC-18 GHz	-	-	3.5mm Female to 7mm Female Straight Adapter (APC7)
C35F-7M	DC-18 GHz	-	-	3.5mm Female to 7mm Male Straight Adapter (APC7)
CSF-SSF	DC-26.5 GHz	-	-	SMA Female to SSMA Female Straight Adapter
CSM-SSM	DC-26.5 GHz	-	-	SMA Male to SSMA Male Straight Adapter
CSM-SSF	DC-26.5 GHz	-	-	SMA Male to SSMA Female Straight Adapter
CSF-SSM	DC-26.5 GHz	-	-	SMA Female to SSMA Male Straight Adapter
CSF-NF12	DC-12 GHz	-	-	SMA-Female to N-Female Straight Adapter



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Model Number	Frequency Range (GHz)	Insertion Loss (Max)	VSWR (Max)	Description
CSM-NM12	DC-12 GHz	-	-	SMA-Male to N-Male Straight Adapter
CSM-NF12	DC-12 GHz	-	-	SMA-Male to N-Female Straight Adapter
CSF-NM12	DC-12 GHz	-	-	SMA-Female to N-Male Straight Adapter
CSF-NF	DC-18 GHz	-	-	SMA Female to N Female Straight Adapter
CSM-NM	DC-18 GHz	-	-	SMA Male to N Male Straight Adapter
CSM-NF	DC-18 GHz	-	-	SMA Male to N Female Straight Adapter
CSF-NM	DC-18 GHz	-	-	SMA Female to N Male Straight Adapter
CSM-NMBH	DC-18 GHz	-	-	SMA Male to N Male Bulkhead Mount Adapter
CSM-NFBH	DC-18 GHz	-	-	SMA Male to N Female Bulkhead Mount Adapter
CSF-NMBH	DC-18 GHz	-	-	SMA Female to N Male Bulkhead Mount Adapter
CSF-NFBH	DC-18 GHz	-	-	SMA Female to N Female Bulkhead Mount Adapter
CSM-TM	DC-18 GHz	-	-	SMA Male to TNC Male Straight Adapter
CSM-TF	DC-18 GHz	-	-	SMA Male to TNC Female Straight Adapter
CSF-TM	DC-18 GHz	-	-	SMA Female to TNC Male Straight Adapter
CSF-TF	DC-18 GHz	-	-	SMA Female to TNC Female Straight Adapter
CSM-7	DC-18 GHz	-	-	SMA Male to 7mm Straight Adapter (APC7)
CSF-7	DC-18 GHz	-	-	SMA Female to 7mm Straight Adapter (APC7)
CNM-TM	DC-18 GHz	-	-	N Male to TNC Male Straight Adapter
CNM-TF	DC-18 GHz	-	-	N Male to TNC Female Straight Adapter
CNF-TM	DC-18 GHz	-	-	N Female to TNC Male Straight Adapter
CNF-TF	DC-18 GHz	-	-	N Female to TNC Female Straight Adapter
CNM-BM	DC-12 GHz	-	-	N Male to BNC Male Straight Adapter
CNM-BF	DC-12 GHz	-	-	N Male to BNC Female Straight Adapter
CNF-BM	DC-12 GHz	-	-	N Female to BNC Male Straight Adapter
CNF-BF	DC-12 GHz	-	-	N Female to BNC Female Straight Adapter
CNM-7	DC-18 GHz	-	-	N-Male to 7mm (APC7)
CNF-7	DC-18 GHz	-	-	N-Female to 7mm (APC7)
C716F-NF	DC-7.5GHz	-	1.15:1	7/16"-Female to N-Female, 50 Ohm Adapters
C716F-NM	DC-7.5GHz	-	1.15:1	7/16"-Female to N-Male, 50 Ohm Adapters
C716M-NF	DC-7.5GHz	-	1.15:1	7/16"-Male to N-Female, 50 Ohm Adapters
C716M-NM	DC-7.5GHz	-	1.15:1	7/16"-Male to N-Male, 50 Ohm Adapters

OTHER COMBINATIONS AND ADAPTERS ARE ALSO AVAILABLE. PLEASE, CONTACT THE FACTORY

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE