

SECTION B

Connectors, Adapters, and Terminators

Electrical Characteristics B-2

Universal Connector (50 and 75 Ohms) B-3

50 OHM

Connectors B-4

Adapters B-7

Terminators B-8

75 OHM

Connectors B-9

Adapters B-11

“F” Connectors and Adapters B-12

Terminators B-12

Compression Connectors B-13

Assembly Instructions B-15



Electrical Characteristics

Impedance:	50 OHMS and 75 OHMS
Rated Working Voltage:	500 volts, RMS
Frequency Range:	0-4 GHz
Insulation Resistance:	5000 Megohms, min
Dielectric Withstanding Voltage:	1500 volts, min
Operating Temperature Range:	67°F to 390°F
Vibration:	MIL-STD-202 Method 204
Shock:	MIL-STD-202 Method 202
Moisture Resistance:	MIL-STD-202 Method 105

Materials:



Body Components:	Brass
Male Contacts:	Brass, Gold
Female Contacts:	Brass, Gold
Crimp Ferrule:	Copper
Gaskets:	Silicone Rubber
Dielectric:	Delrin, Teflon

UNIVERSAL CONNECTOR

Universal Crimp-On Set

ITEM #	Impedance
DC-2510	50 Ohms
DC-2710	75 Ohms

FEATURES AND BENEFITS

- Saves Money
- Saves Time
- Easy to Assemble
- Foolproof Connections
- All-In-One Package
- Durable
- Excellent Performance
- Outstanding Value!



Dolphin's Universal BNC Crimp-On Set, available in both 50 and 75 Ohm versions, is a great alternative to our specialized connectors. The Universal set takes up to 7 different coaxial cable sizes and comes with three different ferrules for a perfect connection every time.

Although the Universal can be used in both new installations and pre-existing systems, it is ideal for maintenance because it affords great flexibility in the field allowing the user to choose the ferrule for whatever cable size is encountered.

ACCEPTS 7 DIFFERENT CABLES	
RG-59	PVC 20 AWG
RG-59	TEFLON (PLENUM) 20 AWG
RG-59	PVC 22 AWG
RG-59	TEFLON (PLENUM) 22 AWG
RG-58	PVC
RG-6	PVC
RG-6	TEFLON (PLENUM)

APPLICATIONS

- Data Networking
- Audio/Video
- Telecommunications
- Security Systems
- CCTV
- Antennaes
- Broadcasting
- Instrumentation

ELECTRICAL

CHARACTERISTICS

- Impedance: True 50 and 75 Ohms
- Rated Working Voltage: 500 Volts, RMS
- Frequency Range: 0-4 GHz
- Insulation Resistance: 5000 Megohms

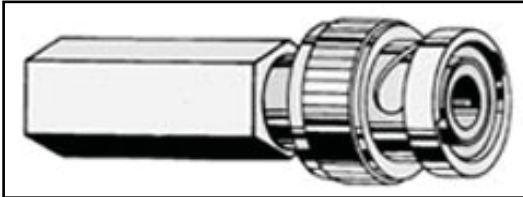
MATERIALS

- Body Components: Brass, Anti-Corrosion Nickel Plating
- Male Contacts: Brass, Gold Plating
- Crimp Ferrule: Copper, Anti-Corrosion Nickel Plating
- Gaskets: Silicone Rubber
- Dielectric: Teflon



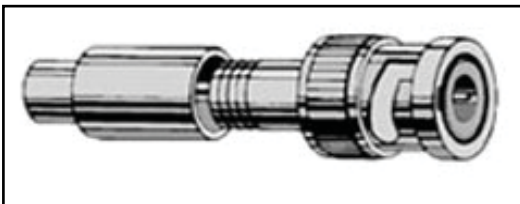
B

MALE TWIST-ON 1 Piece Construction



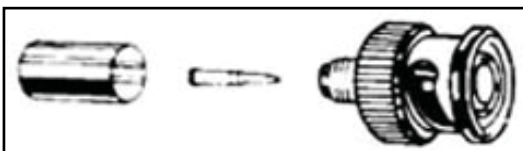
ITEM #	DESCRIPTION
DC-UG88-1	RG-58 Twist-On
DC-UG88-2	RG-59 and RG-62 Twist-On
DC-UG88-5	RG-6 Twist-On
DC-UG88-10	RG-59 and RG-62 Teflon (Plenum) Twist-On
DC-UG88-30	RG-6 Teflon (Plenum) Twist-On

MALE CRIMP-ON 2 Piece Construction



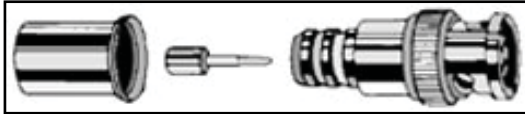
ITEM #	DESCRIPTION
DC-88-1	RG-58 Crimp-On
DC-88-2	RG-59 and RG-62 Crimp-On
DC-88-5	RG-6 Crimp-On
DC-88-10	RG-59 and RG-62 Teflon (Plenum) Crimp-On
DC-88-11	RG-58 Teflon Crimp-On
DC-88-30	RG-6 Teflon (Plenum) Crimp-On (formerly DC-279209)

MALE CRIMP-ON 3 Piece Construction



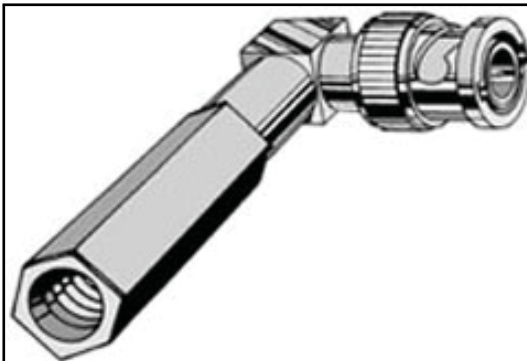
ITEM #	DESCRIPTION
DC-MC88-1	RG-58 Crimp-On
DC-MC88-2	RG-59 and RG-62 Crimp-On
DC-MC88-5	RG-6 Crimp-On
DC-MC88-10	RG-59 and RG-62 Teflon (Plenum) Crimp-On
DC-MC88-18	Belden 8218 Crimp-On
DC-MC88-19	Mini RG-59 and RG-62 Crimp-On
DC-MC88-30	RG-6 Teflon (Plenum) Crimp-On

MALE CRIMP-ON 3 Piece Construction



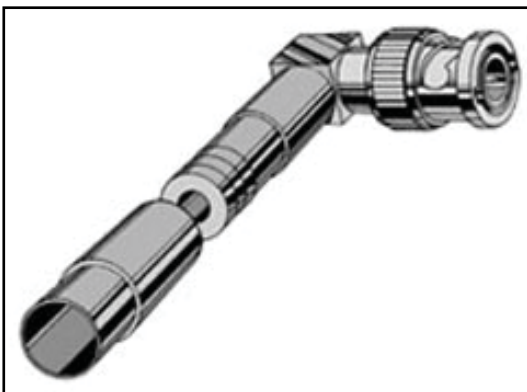
ITEM #	DESCRIPTION
DC-MC88-26	RG-8 and RG-11 Crimp-On

MALE RIGHT ANGLE TWIST-ON



ITEM #	DESCRIPTION
DC-RA-2	RG-59 and RG-62 Twist-On
DC-RA-5	RG-6 Twist-On
DC-RA-10	RG-59 and RG-62 Teflon (Plenum) Twist-On

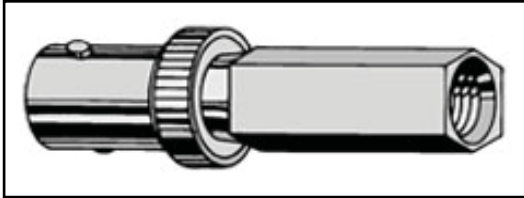
MALE RIGHT ANGLE CRIMP-ON



ITEM #	DESCRIPTION
DC-R-2	RG-59 and RG-62 Crimp-On
DC-R-5	RG-6 Crimp-On

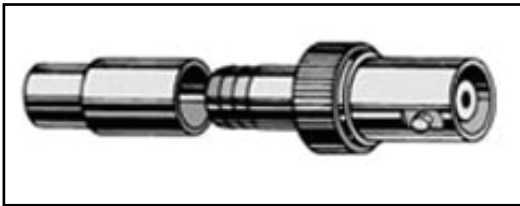
B

FEMALE TWIST-ON 1 Piece Construction



ITEM #	DESCRIPTION
DC-UG89-1	RG-58 Twist-On
DC-UG89-2	RG-59 and RG-62 Twist-On
DC-UG89-5	RG-6 Twist-On
DC-UG89-10	RG-59 and RG-62 Teflon (Plenum) Twist-On
DC-UG89-30	RG-6 Teflon (Plenum) Twist-On

FEMALE CRIMP-ON 2 Piece Construction



ITEM #	DESCRIPTION
DC-89-1	RG-58 Crimp-On
DC-89-2	RG-59 and RG-62 Crimp-On
DC-89-5	RG-6 Crimp-On
DC-89-10	RG-59 and RG-62 Teflon (Plenum) Crimp-On
DC-89-30	RG-6 Teflon (Plenum) Crimp-On

FEMALE CRIMP-ON 3 Piece Construction



ITEM #	DESCRIPTION
DC-FC89-1	RG-58 Crimp-On
DC-FC89-2	RG-59 and RG-62 Crimp-On
DC-FC89-5	RG-6 Crimp-On
DC-FC89-10	RG-59 and RG-62 Teflon (Plenum) Crimp-On
DC-FC89-30	RG-6 Teflon (Plenum) Crimp-On

ADAPTERS - 50 OHMS

B

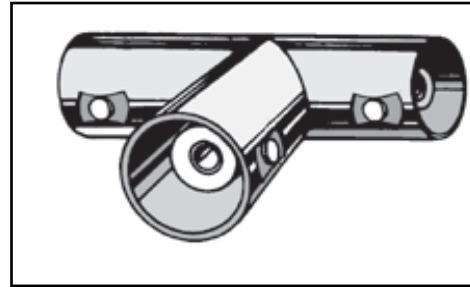
FEMALE-FEMALE ADAPTER



ITEM #

DC-AD555

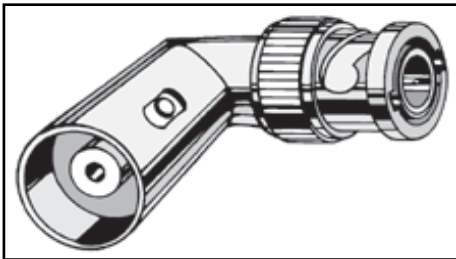
FEMALE-FEMALE-FEMALE T-ADAPTER



ITEM #

DC-AD506

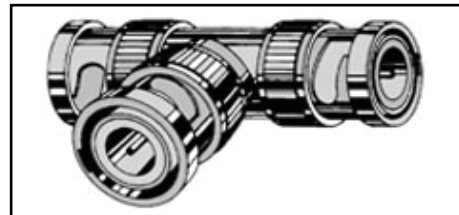
FEMALE-MALE RIGHT ANGLE ADAPTER



ITEM #

DC-AD503

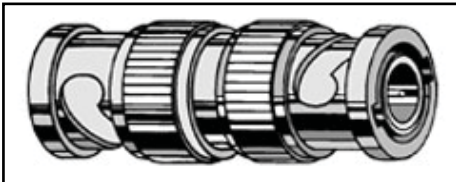
MALE-MALE-MALE T-ADAPTER



ITEM #

DC-AD510

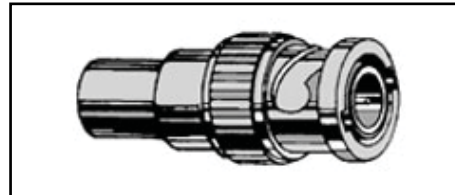
MALE-MALE ADAPTER



ITEM #

DC-AD511

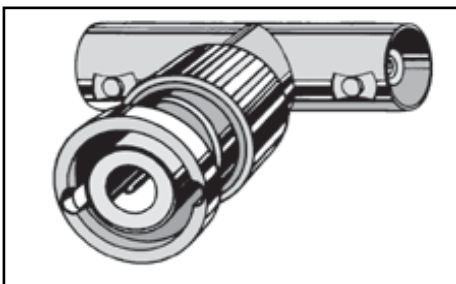
BNC MALE TO RCA FEMALE



ITEM #

DC-AD515

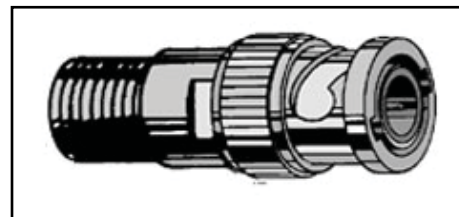
FEMALE-MALE-FEMALE T-ADAPTER



ITEM #

DC-AD505

"F" FEMALE TO BNC MALE



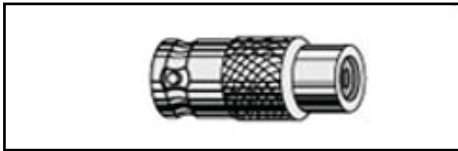
ITEM #

DC-AD516

ADAPTERS - 50 OHMS

B

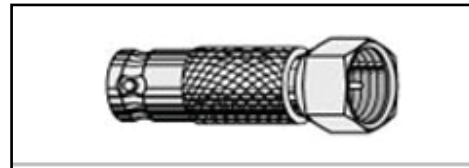
RCA FEMALE TO BNC FEMALE



ITEM #

DC-AD601

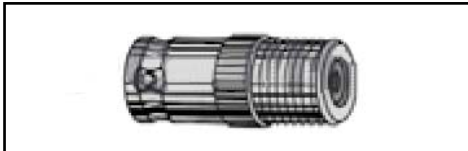
BNC FEMALE TO "F" MALE



ITEM #

DC-AD606

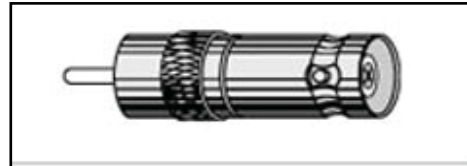
BNC FEMALE TO "F" FEMALE



ITEM #

DC-AD602

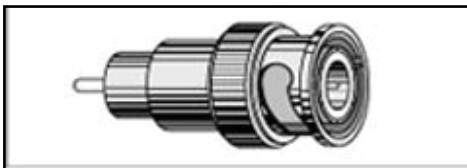
BNC FEMALE TO RCA MALE



ITEM #

DC-AD501

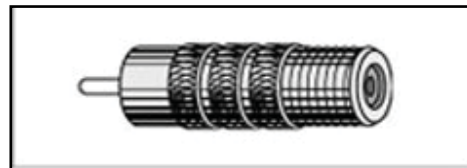
BNC MALE TO RCA MALE



ITEM #

DC-AD603

RCA MALE TO "F" FEMALE



ITEM #

DC-AD103

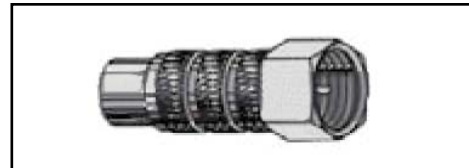
BNC MALE TO FEMALE ADAPTER



ITEM #

DC-AD604

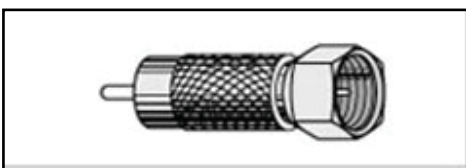
RCA FEMALE TO "F" MALE



ITEM #

DC-AD106

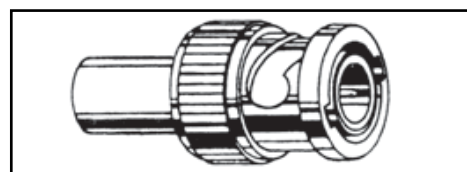
RCA MALE TO "F" MALE



ITEM #

DC-AD605

TERMINATORS



ITEM #

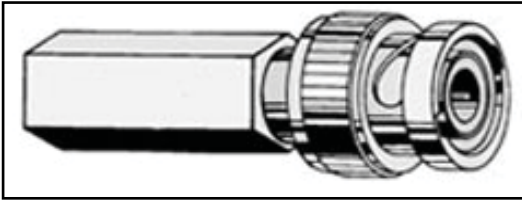
DESCRIPTION

DC-88T-50 50 OHMS

DC-88T-75 75 OHMS

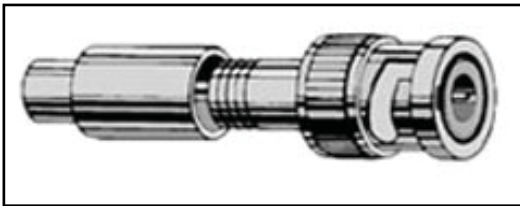
DC-88T-93 93 OHMS

MALE TWIST-ON 1 Piece Construction



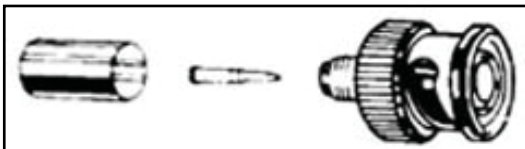
ITEM #	DESCRIPTION
DC-UG78-1	RG-58 Twist-On
DC-UG78-2	RG-59 and RG-62 Twist-On
DC-UG78-5	RG-6 Twist-On
DC-UG78-10	RG-59 and RG-62 Teflon (Plenum) Twist-On
DC-UG78-30	RG-6 Teflon (Plenum) Twist-On

MALE CRIMP-ON 2 Piece Construction



ITEM #	DESCRIPTION
DC-78-1	RG-58 Crimp-On
DC-78-2	RG-59 and RG-62 Crimp-On
DC-78-5	RG-6 Crimp-On
DC-78-10	RG-59 and RG-62 Teflon (Plenum) Crimp-On
DC-78-30	RG-6 Teflon (Plenum) Crimp-On (formerly DC-289209)

MALE CRIMP-ON 3 Piece Construction



ITEM #	DESCRIPTION
DC-MC78-1	RG-58 Crimp-On
DC-MC78-2	RG-59 and RG-62 Crimp-On
DC-MC78-5	RG-6 Crimp-On
DC-MC78-10	RG-59 and RG-62 Teflon (Plenum) Crimp-On
DC-MC78-17	RG-174, 188, 316 Crimp-On
DC-MC78-19	Mini RG-59 and RG-62 Crimp-On

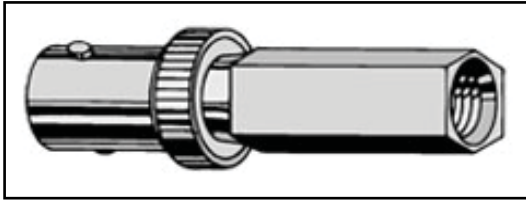
MALE CRIMP-ON 3 Piece Construction



ITEM #	DESCRIPTION
DC-MC78-26	RG-8 and RG-11 Crimp-On

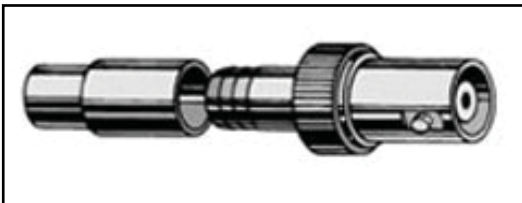
B

FEMALE TWIST-ON 1 Piece Construction



ITEM #	DESCRIPTION
DC-UG79-2	RG-59 and RG-62 Twist-On
DC-UG79-5	RG-6 Twist-On
DC-UG79-10	RG-59 and RG-62 Teflon (Plenum) Twist-On
DC-UG79-30	RG-6 Teflon (Plenum) Twist-On

FEMALE CRIMP-ON 2 Piece Construction



ITEM #	DESCRIPTION
DC-79-2	RG-59 and RG-62 Crimp-On
DC-79-5	RG-6 Crimp-On
DC-79-10	RG-59 and RG-62 Teflon (Plenum) Crimp-On
DC-79-11	RG-58 Teflon (Plenum) Crimp-On
DC-79-30	RG-6 Teflon (Plenum) Crimp-On

FEMALE CRIMP-ON 3 Piece Construction

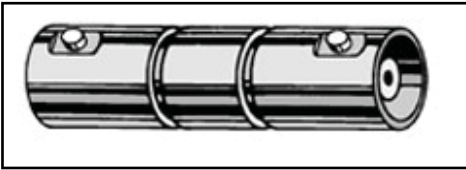


ITEM #	DESCRIPTION
DC-FC79-1	RG-58 Crimp-On
DC-FC79-2	RG-59 and RG-62 Crimp-On
DC-FC79-5	RG-6 Crimp-On
DC-FC79-10	RG-59 and RG-62 Teflon (Plenum) Crimp-On

ADAPTERS - 75 OHMS

B

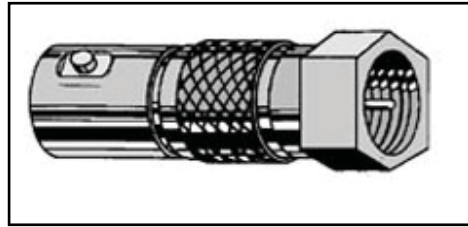
FEMALE-FEMALE ADAPTER



ITEM #

DC-AD755

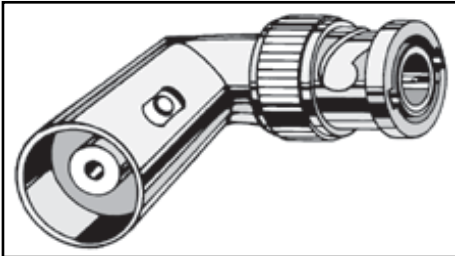
BNC FEMALE TO "F" MALE



ITEM #

DC-AD702

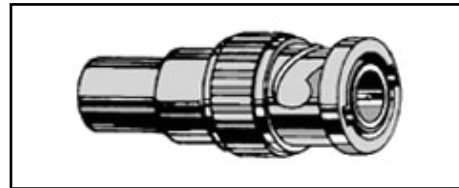
FEMALE-MALE RIGHT ANGLE ADAPTER



ITEM #

DC-AD703

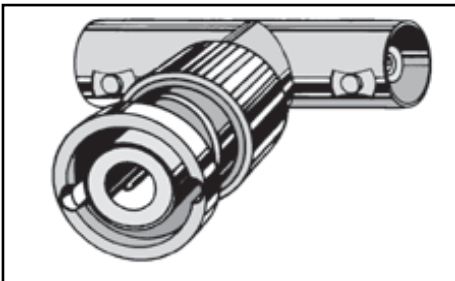
BNC MALE TO RCA FEMALE



ITEM #

DC-AD715

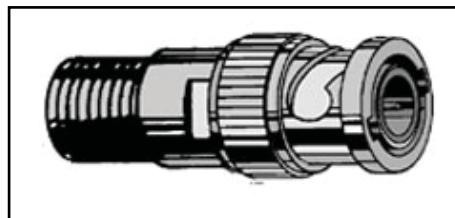
FEMALE-MALE-FEMALE T-ADAPTER



ITEM #

DC-AD705

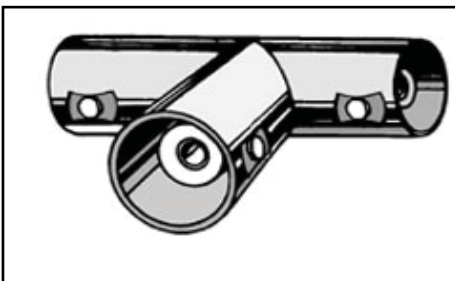
"F" FEMALE TO BNC MALE



ITEM #

DC-AD716

FEMALE-FEMALE-FEMALE T-ADAPTER

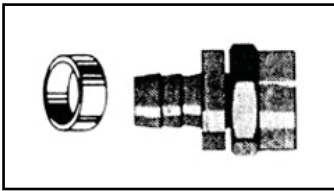


ITEM #

DC-AD706

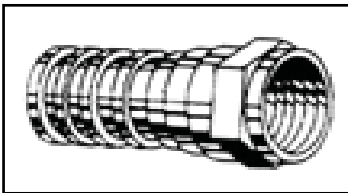
B

“F” CONNECTOR WITH SEPARATE RING



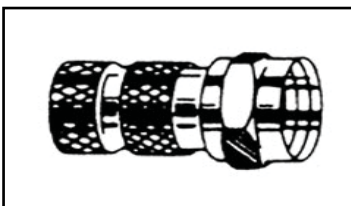
ITEM #	DESCRIPTION
DC-257150	RG-6 with Separate Crimp-On Ring

“F” CONNECTORS WITH ATTACHED CRIMP-ON RING



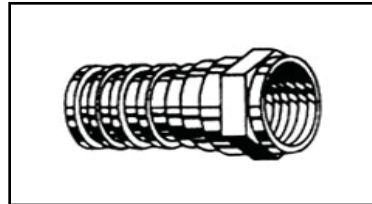
ITEM #	DESCRIPTION
DC-257030	RG-59 with Attached Crimp-On Ring
DC-257032	RG-6 with Attached Crimp-On Ring
DC-257046	RG-6 Plenum with Attached Crimp-On Ring
DC-257049	RG-59 Plenum with Attached Crimp-On Ring

“F” CONNECTORS TWIST-ON



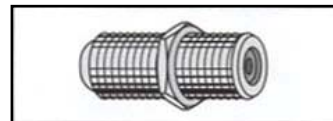
ITEM #	DESCRIPTION
DC-257121	RG-59 Twist-On
DC-257180	RG-6 Twist-On

“F” CONNECTORS (QUAD SHIELD) WITH ATTACHED CRIMP-ON RING



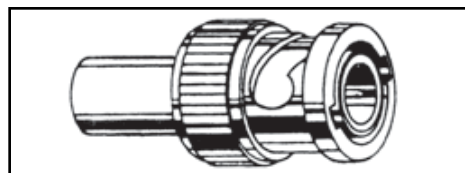
ITEM #	DESCRIPTION
DC-257031	RG-59 with Attached Crimp-On Ring
DC-257034	RG-6 with Attached Crimp-On Ring
DC-257191	RG-11 with Attached Crimp-On Ring

“F” CONNECTOR DOUBLE FEMALE



ITEM #	DESCRIPTION
DC-257200	In-Line Female Splice

TERMINATORS



ITEM #	DESCRIPTION
DC-88T-50	50 OHMS
DC-88T-75	75 OHMS
DC-88T-93	93 OHMS

FEATURES

- Suitable for Coaxial Broadband Networks used in Video, Data, Telephone and other Communication Applications.
- Environmental Seal Protection Internal Neoprene O-Ring Sealed - 360° Radial Seal
- Precision Machined Annealed Brass
- Anti-Corrosion Nickel-Plated Finish
- Made with Delrin Insulators
- Quick and Easy Installation

“F” MALE



ITEM #	DESCRIPTION
DC-CF59	RG-59
DC-CF59PLEN	RG-59 Plenum
DC-CF59PLENQ	RG-59 Plenum Quad
DC-CF6	RG-6
DC-CF6G	RG-6 Gold
DC-CF6PLEN	RG-6 Plenum
DC-CF6PLENQ	RG-6 Plenum Quad
DC-CF6Q	RG-6 Quad
DC-CF6QG	RG-6 Quad Gold

BNC MALE



ITEM #	DESCRIPTION
DC-CBNM59	RG-59
DC-CBNM59PLEN	RG-59 Plenum
DC-CBNM59PLENQ	RG-59 Plenum Quad
DC-CBNM6	RG-6
DC-CBNM6G	RG-6 Gold
DC-CBNM6PLEN	RG-6 Plenum
DC-CBNM6PLENQ	RG-6 Plenum Quad
DC-CBNM6Q	RG-6 Quad
DC-CBNM6QG	RG-6 Quad Gold

B

RCA MALE



ITEM #	DESCRIPTION
DC-CRCAM59	RG-59
DC-CRCAM59PLEN	RG-59 Plenum
DC-CRCAM59PLENQ	RG-59 Plenum Quad
DC-CRCAM6	RG-6
DC-CRCAM6G	RG-6 Gold
DC-CRCAM6PLEN	RG-6 Plenum
DC-CRCAM6PLENQ	RG-6 Plenum Quad
DC-CRCAM6Q	RG-6 Quad
DC-CRCAM6QG	RG-6 Quad Gold

RIGHT ANGLE



ITEM #	DESCRIPTION
DC-CBNCRAM59	RG-59 Right Angle
DC-CBNCRAM59PLEN	RG-59 Plenum Right Angle
DC-CBNCRAM6	RG-6 Right Angle
DC-CBNCRAM6Q	RG-6 Quad Right Angle
DC-CBNCRAM6PLEN	RG-6 Plenum Right Angle

"F"

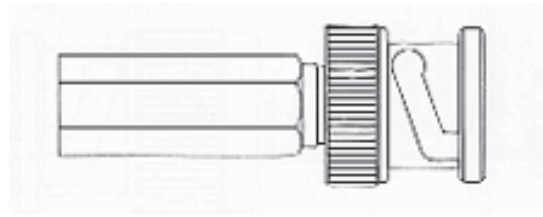


ITEM #	DESCRIPTION
DC-CF11	RG-11
DC-CF11PLEN	RG-11 Plenum

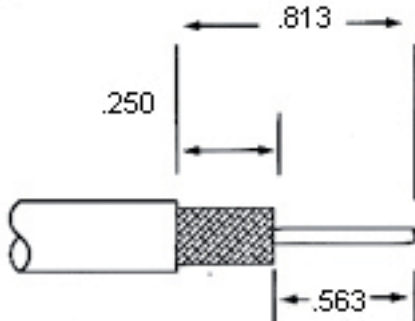
ASSEMBLY INSTRUCTIONS

B

1 PIECE TWIST-ON



Step 1



Step 1

Strip cable as shown. Take care not to nick center conductor or outer braid.

Step 2

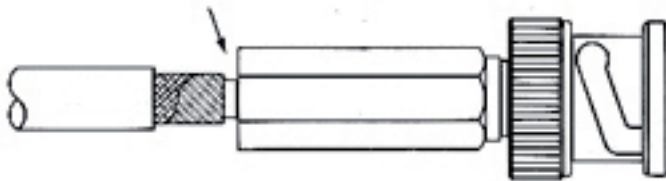


Step 2

Twist outer braid in a clockwise direction so that at least 1/32" of cable dielectric is bared, and braided is left flat. (A stray or loose braid can cause a short.)

Step 3

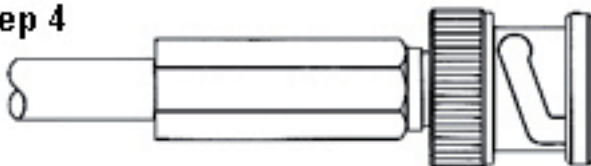
Back end of connector and cable dielectric flush, center conductor in place



Step 3

Gently insert center conductor into back end of connector, "feeling" it into the guide hole. (If center conductor is NOT properly in place, about 1/8" of center conductor will show at the back end. Reinsert until cable dielectric reaches position shown in illustration.)

Step 4



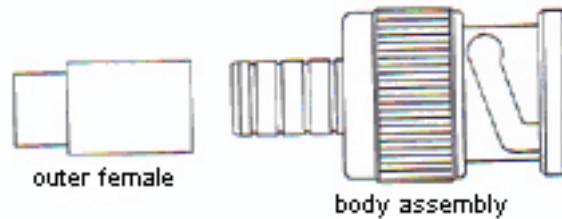
Step 4

Push the cable firmly home until it meets resistance. Then screw threaded portion of the connector onto the cable in a clockwise direction until it stops. Make sure the braid is inside connector and cable is firmly attached. Assembly is complete.

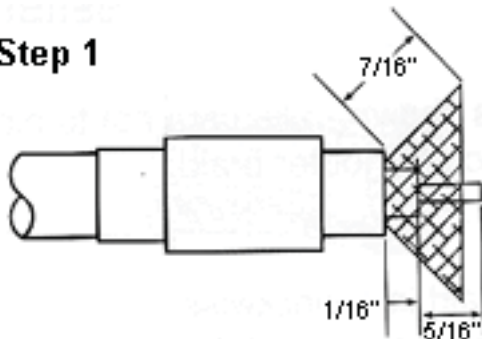
ASSEMBLY INSTRUCTIONS

B

2 PIECE CRIMP-ON



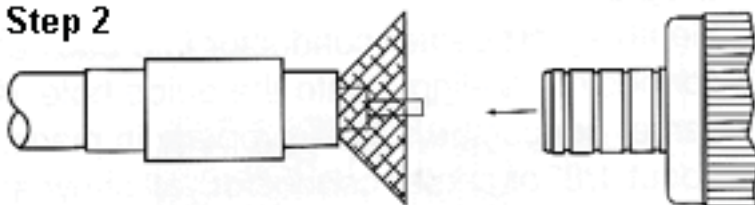
Step 1



Step 1

Strip cable jacket, braid and dielectric as shown. All cuts are to be sharp and square. IMPORTANT: Do not nick braid, dielectric, and/or center conductor. Slide outer ferrule onto cable as shown.

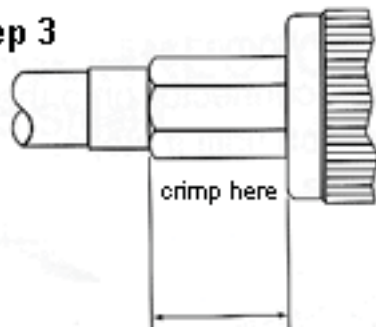
Step 2



Step 2

Slightly flare end of cable braid as shown to facilitate insertion of inner ferrule of connector. IMPORTANT: Do not comb out braid.

Step 3



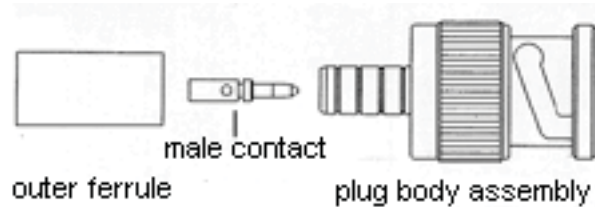
Step 3

Insert cable assembly into body assembly so that inner ferrule portion slides under braid. Slide outer ferrule over braid and up against connector body. Crimp outer ferrule with $.319"$ Hex Die over inner ferrule of connector. Do not crimp the tail of the ferrule onto the cable.

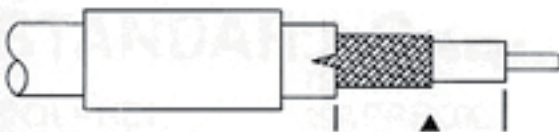
ASSEMBLY INSTRUCTIONS

3 PIECE CRIMP-ON

B



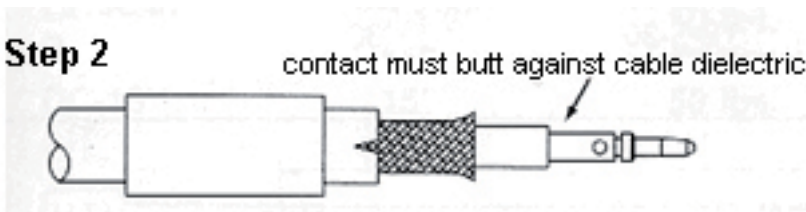
Step 1



Step 1

Strip cable jacket, braid and dielectric as shown. All cuts are to be sharp and square. **IMPORTANT:** Do not nick braid, dielectric, and/or center conductor. Slide outer ferrule onto cable as shown.

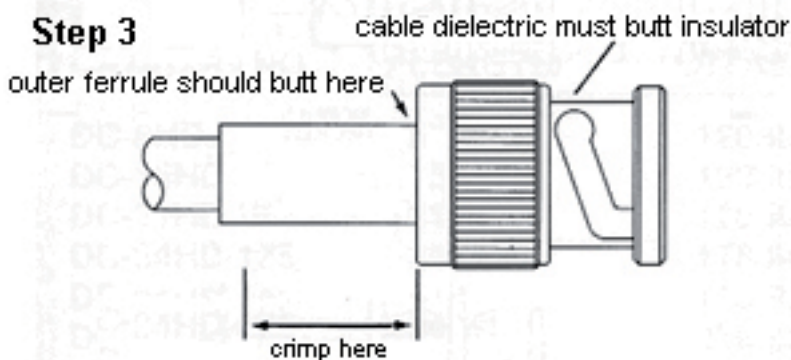
Step 2



Step 2

Slightly flare end of cable braid as shown to facilitate insertion of inner ferrule of connector. **IMPORTANT:** Do not comb out braid (▲). Crimp male contact on cable center conductor so that it butts against cable dielectric.

Step 3



Step 3

Insert cable assembly into body assembly so that inner ferrule portion slides under braid. Push cable assembly forward until contact snaps into place inside insulator. Slide outer ferrule over braid and up against connector body. Crimp outer ferrule.