



# Connectivity Solutions

Complete or Partial Part #,  
Competitor Part # or  
Keywords.

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## Product Detail



<b>Product Line:</b>	<a href="#">Aim</a> (Click for customer service)
<b>Part Number:</b>	27-9051
<b>Description:</b>	BNC MALE TWIST-ON FOR RG-58
<b>Product Family:</b>	CONNECTORS & ADAPTERS_BNC - 50 OHM_TWIST-ON CONNECTORS
<b>Connector A:</b>	BNC
<b>Contact Termination:</b>	Twist On
<b>For Cables:</b>	RG58
<b>Genders:</b>	Male
<b>Ohm:</b>	50
<b>Standard Pack:</b>	10
<b>RoHS Compliant:</b>	Yes

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We have been offering a complete line of quality RF connectors for over 25 years. Available in 50 and 75 ohm versions, these connectors are designed to offer the highest quality data transmission for audio, video and data applications, and are available in BNC, 'N' UHF, Mini-UHF, TNC, SMA and 'F' versions. If you are looking for preassembled RF cables, our custom cable department offers the capability to build any assembled or molded cable to your custom length or configuration using any of these connectors and more.

## 75 Ohm BNC Connectors

### Electrical Characteristics

Impedance	75 Ohm
Working voltage	500 volts, RMS at sea level
Frequency range	0-2 GHz with low reflection
Contact resistance	Outer-0.2 milliohms Center-2.1 milliohms
(.000050 gold)	
Insulation resistance	5,000 megohms minimum
Dielectric withstanding voltage	1,500 volts, RMS at sea level
Corona Level	375 volts minimum at 70,000 ft.

### Environmental Characteristics

Recommended temperature range	-55 C to +85 C
Vibration	MIL-Std. 202
Shock	MIL-Std. 202, 100Gs
Moisture resistance	MIL-Std. 202

### Mechanical Characteristics

Durability	500 Cycles (.000050 gold)
Force to engage/disengage	3 lbs. maximum
Coupling nut retention	60 lbs. maximum
Cable retention	60 lbs. with 95% braid coverage - RG58c/u cable

### Materials

Body	Zinc
Contact	Brass
Spring washer	Berilium copper
Insulator	Teflon
Plating	Body - Nickel Contact - Gold

## Crimp-On 75 Ohm 3-Piece BNC Connectors



**Crimp BNC (M)**  
3 Piece

Part No.	Compatible Cable	Crimper	Stripper
28-91007 (CPMC782)	Belden 1505A, RG-59, RG-62	24-9959P	24-7732P
28-91027 (CPMC785)	Belden RG-6	24-8856P	24-7733P
28-91037 (CPMC7810)	Belden 1506A, RG-59TFE & RG-62TFE	24-9958P	24-7733P
28-91047 (CPMC783)	Belden 8281, 9141, 9231	24-8859P	24-7733P
28-91057 (CPMC7818)	Belden 8218, 1855A, 735A	24-9912P	24-7734P
28-91457	Belden 9248, 1694A	24-8856P	24-7733P
28-91477	Belden 8221, 8241, 8263, 8279, 9244	24-8789P	24-7736P
28-91507	Belden 82259, 89259	24-8789P	24-7736P
CPMC7820	RG-179, RG-187	24-9912P	24-7733P



**Solder or Crimp BNC (M)**  
3 Piece

Part No.	Cable Type	Tool No.
28-90237	RG-59 & 62	24-8789P
28-90257	RG-59 & 62TFE	24-9958P

(M) = Male Plug (F) = Female Socket

**Twist-On 50 Ohm BNC Connectors**



**Twist-On BNC (M)**  
*Piece, Crimpless & Solderless*

Part No.	Cable Type
27-9050 (CPFIUG882)	RG-59 & 62
27-9051 (CPFIUG881)	RG-58
27-9052 (CPFIUG885)	RG-6
27-9054 (CPFIUG8810)	RG-59 & 62TFE
27-9058	Belden 8281
27-9059	RG-58TFE
CPFIUG884	RG-MATV-59



**Right Angle, Twist-On BNC (M)**  
*1 Piece, Crimpless & Solderless*

Part No.	Cable Type
27-9036	RG-58
27-9038	RG-6
27-9056	RG-59 & 62
27-9057	RG-59 & 62TFE



**Twist-On BNC (F)**  
*1 Piece, UG-89*

Part No.	Cable Type
27-9032	RG-6
27-9033	RG-59 & 62TFE
27-9053 (CPFIUG892)	RG-58, 59 & 62

**Chassis Mount 50 Ohm BNC Connectors**



**Solder to BNC (F)**  
*3/8" Mounting Hole, UG-1094U*

Part No.
27-8460 (CPI094U)



**Dual BNC (F)**  
*1/2" Chassis Mount Hole, UG-492*

Part No.
27-8470



**Isolated Dual BNC (F)**  
*1/2" & 5/8" Chassis Mount Hole*

Part No.
27-8471 (CPAD521)



**Isolated BNC (F)**  
*3/8" Chassis Mount Hole*

Part No.
27-8461 (CPAD520)

**BNC Terminators & Attenuator Pads**



**BNC Terminators**  
*1/2 W @ 1%, with and without Grounding Strap*

Ohms	Color	w/Strap	w/o Strap
50 Ohms	Green	27-9245	27-9008
75 Ohms	Purple	27-9246	27-9007 (CP88T75)



**BNC (M) to BNC (F) Attenuator Pads**  
*1/2 W @ 5%, 50 Ohms*

Part No.	Rating
27-9300-3	3db
27-9300-6	6db
27-9300-10	10db
27-9300-20	20db

(M) = Male Plug (F) = Female Socket