



# Connectivity Solutions



Complete or Partial Part #,  
Competitor Part # or  
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## Product Detail



<b>Product Line:</b>	<a href="#">Aim</a> (Click for customer service)
<b>Part Number:</b>	28-91047
<b>Description:</b>	BNC MALE 3PC FOR BELDEN 8281
<b>Product Family:</b>	CONNECTORS & ADAPTERS_BNC - 75 OHM_3 PIECE CONNECTORS
<b>Standard Pack:</b>	10
<b>Connector A:</b>	BNC
<b>Contact Termination:</b>	Crimp
<b>For Cables:</b>	Belden 8281
<b>Genders:</b>	Male
<b>Ohm:</b>	75
<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