



Connectivity Solutions

Wireless

CATV

Audio & Video

Networking &
Structured Wiring

Military & Aerospace

Test & Measurement

Product Detail



Product Line:	Aim (Click for customer service)
Part Number:	27-8471
Description:	BNC DUAL CHASSIS MOUNT ISOLATED
Product Family:	CONNECTORS & ADAPTERS_BNC - 50 OHM_PCB & CHASSIS MOUNT
Body Style:	Panel Mount
Connector A:	BNC
Connector B:	BNC
Genders:	Female/Female
Mounting Hole Size:	0.625
Ohm:	50
Standard Pack:	10

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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