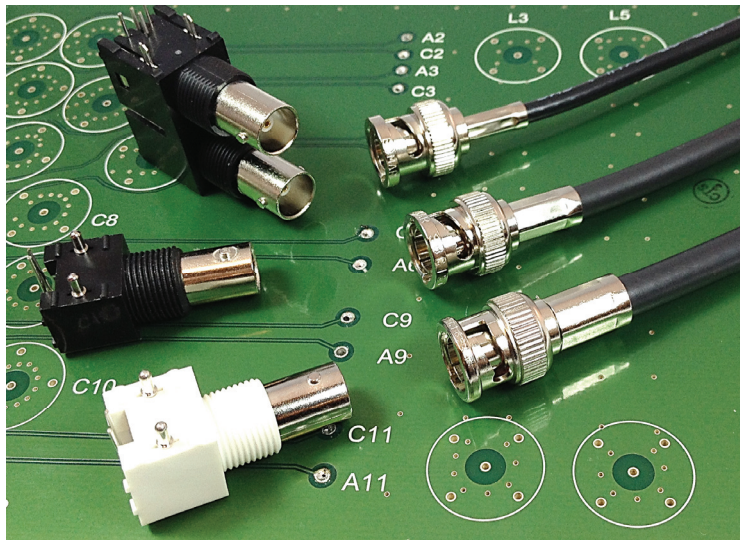


# 300 Series

## 50 Ohm BNC Cable Plugs



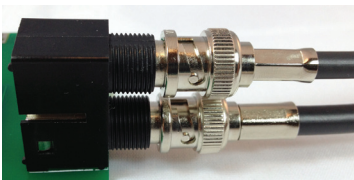
## Product Description

Winchester's Bomar brand 300 Series 50 Ohm BNC Cable Plug Connectors can be used in a wide range of applications including Broadcast, Telecommunications, Test and Measurement, Security, and Medical.

The 300 Series 50 Ohm BNC Cable Plug Connectors are quick-connect/quick-disconnect connectors that are easy to mate and un-mate with only a quarter turn of the coupling nut.

Designed to accommodate a large variety of RG cables and industry standard cables, Winchester's Bomar brand 300 Series 50 Ohm BNC Cable Plug Connectors feature a crimp/crimp termination.

A full line of printed circuit board receptacles, bulkhead receptacles, resistor terminations, and other accessories are also available.



- Bayonet coupling system ensures positive locking and allows quick and easy mating and un-mating of connectors.

- BNC cable plugs feature a captivated center contact. The retention barb prevents the contact from backing out the rear of the connector while a "nail head" feature at the crimp end prevents the contact from being over inserted into the connector.

- Coupling Nuts are stamped with Bomar name and part number for easy identification in the field.

## Specifications

### Electrical

Impedance:	50 Ohms
Frequency Range:	0 – 4 GHz
Working Voltage:	500 VRMS at Sea Level
Dielectric	
Withstanding Voltage:	1500 VRMS at Sea Level
VSWR:	Straight: 1.5 Max
Contact Resistance:	Center Contact: ≤ 3 Milliohms
Insulation Resistance:	5000 Megohms Min
Insertion Loss:	0.2dB Max

### Environmental

Temperature Range:	- 40° C to +165° C
--------------------	--------------------

### Material

Body and Outer Contacts:	Brass, Nickel Plated
Male Contact:	Brass, Gold Plated
Insulator:	PTFE
Crimp Ferrule:	Copper or Brass, Nickel Plated

### Mechanical

Coupling Nut Retention:	101 lbs.
Center Contact Retention:	≥ 6 lbs.
Engagement Force:	≤ 5 lbs.
Disengagement Force:	≥ 1.5 lbs.
Durability (Mating):	500 Cycles Min.



### BNC Installation / Removal Tools

KTW-21 is available in two popular lengths – a standard 12-inch tool (KTW-21-2) and a 24-inch extended length tool (KTW-21-1).

## Part Numbers

Bomar Part Number	Straight Cable Plugs	Crimp Tool with Die	Hex Size	Packaging
310A205MV	RG174, RG316, LMR100	BDHD200	.068 / .213	Single
310A205M	RD316	BDHD200	.068 / .213	Single
310A205F	RG58, RG141, RG142, LMR195 Stranded	BDHD200	.068 / .213	Single
310A205FS	RG 58, LMR 195 Solid Center Conductor	BDHD200	.068 / .213	Single
310A205A	RG6, 21 AWG Center Conductor	BDHD200	Solder / .288	Single
310A205A18	RG6 CATV 18 AWG Center conductor	BDHD200	.068 / .288	Single



Winchester Electronics  
 199 Park Road Extension, Suite 104  
 Middlebury, Connecticut 06762  
 203.741.5400 Phone  
 203.741.5500 Fax  
[www.winchesterelectronics.com](http://www.winchesterelectronics.com)