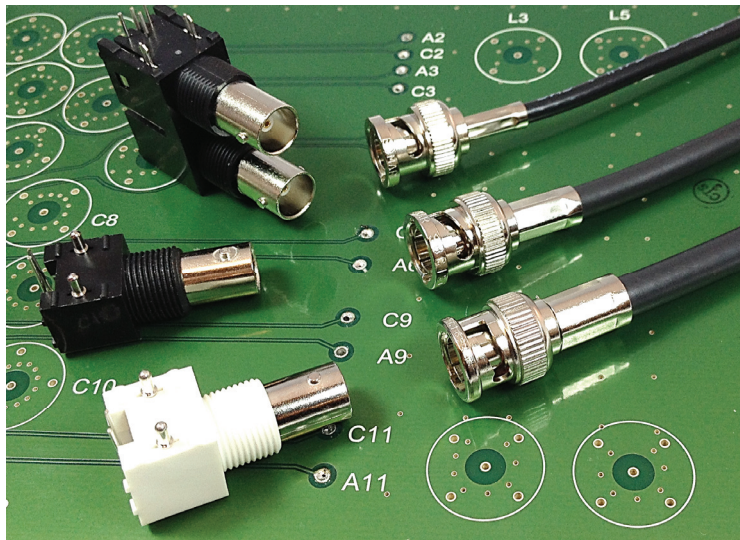


300 Series

50 Ohm BNC Cable Plugs



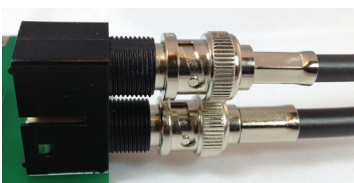
Product Description

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



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