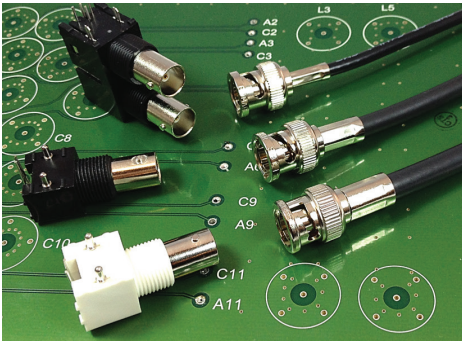


# 300 Series

## 50 Ohm BNC Cable Plugs



Bomar products, like the 300 Series 50 Ohm BNC Cable Plugs, are now sold under the Win® brand from Winchester Interconnect™

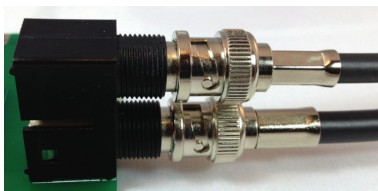
### Product Description

Winchester Interconnect's 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 Interconnect's 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 the Winchester name and part number for easy identification in the field.


**Winchester**  
 Interconnect.  
*We Energize Innovation.*

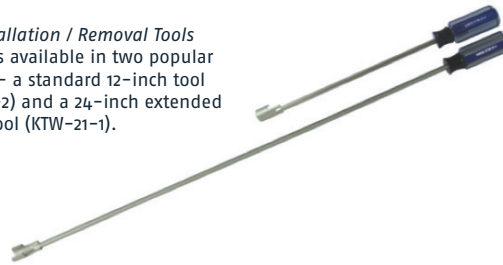
## Specifications

<p><b>Electrical</b></p> <p><b>Impedance</b> 50 Ohms</p> <p><b>Frequency Range</b> 0 – 4 GHz</p> <p><b>Working Voltage</b> 500 VRMS at sea level</p> <p><b>Dielectric Withstanding Voltage</b> 1500 VRMS at sea level</p> <p><b>VSWR</b> Straight 1.5 Max</p>	<p><b>Contact Resistance</b> <i>Center Contact</i> ≤3 Milliohms</p> <p><b>Insertion Loss</b> 0.2dB Max</p> <p><b>Insulation Resistance</b> 5000 Megohms Mi</p>	<p><b>Mechanical</b></p> <p><b>Coupling Nut Retention</b> 101 lbs.</p> <p><b>Center Contact Retention</b> ≥6 lbs.</p> <p><b>Engagement Force</b> ≤5 lbs.</p> <p><b>Disengagement Force</b> ≥1.5 lbs.</p> <p><b>Durability</b> 500 Cycles Min</p>	<p><b>Material</b></p> <p><b>Body</b> Brass, Nickel Plated</p> <p><b>Outer Contacts</b> Brass, Nickel Plated</p> <p><b>Male Contact</b> Brass, Gold Plated</p> <p><b>Insulator</b> PTFE</p> <p><b>Crimp Ferrule</b> Copper or Brass, Nickel Plated</p>	<p><b>Environmental</b></p> <p><b>Temperature Range</b> -40°C to +165°C</p>
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## Part Numbers

Part Number	Straight Cable Plugs	Crimp Tool with Die	Hex Size	Packaging
310A205MV	RG174, RG316, LMR100	BDHD200	0.068 / 0.213	Single
310A205M	RD316	BDHD200	0.068 / 0.213	Single
310A205F	RG58, RG141, RG142, LMR195 Stranded	BDHD200	0.068 / 0.213	Single
310A205FS	RG58, LMR195 Solid Center Conductor	BDHD200	0.068 / 0.213	Single
310A205A	RG6, AWG Center Conductor	BDHD200	Solder / 0.288	Single
310A205A18	RG6 CATV18 AWG Center Conductor	BDHD200	0.068 / 0.288	Single

*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).



Bomar products are now under the Win™ brand from Winchester Interconnect.

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