



Overview

Amphenol RF's line of 50 ohm fixed length HDBNC cable assemblies are designed for high-density applications. These cables utilize the familiar push and turn interface of traditional BNC connectors to enhance electrical and mechanical performance.

The 50 ohm HD-BNC cable assemblies offer a lightweight, space saving option for designers and engineers with all the conveniences and reliability of legacy BNC connectors. They are available on industry standard RG-316 cable making them ideal for high performance 50 Ohm applications.

Features and Benefits

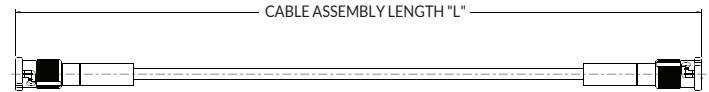
- 4x the density of traditional BNC connectors
- Lightweight and compact
- Trusted push and turn interface
- Frequency range DC – 6 GHz

Applications

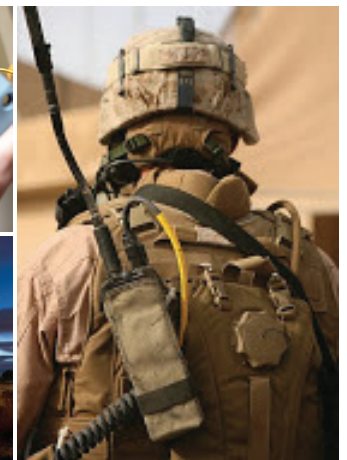
- Telecommunications
- Instrumentation
- Radios
- Military
- Industrial

Ordering Information

Straight Plug to Straight Plug Cable Assemblies on RG-316 Cable



Part Number	Length in Inches [Meters]
095-850-185M010	3.94 [0.10]
095-850-185-006	6.00 [0.15]
095-850-185M025	9.84 [0.25]
095-850-185-012	12.00 [0.31]
095-850-185-018	18.00 [0.46]
095-850-185M050	19.69 [0.50]
095-850-185-024	24.00 [0.61]
095-850-185M075	29.53 [0.75]
095-850-185-036	36.00 [0.91]
095-850-185M100	39.37 [1.00]
095-850-185-048	48.00 [1.22]



Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

For more information visit www.amphenolrf.com
or call 800.627.7100

Technical Specifications

Electrical

Impedance		50 Ω
Frequency range		DC–6 GHz (RG-316 Max Freq)
Return Loss		30 dB min @ 6 GHz
Dielectric Withstanding Voltage		500 VRMS
Insulation Resistance		10,000 M Ω min.
Contact Resistance	Center Contact	5 m Ω
	Outer Contact	2.5 m Ω

Mechanical

Coupling Mechanism	2-stud bayonet coupling
Mating Cycles	500 cycles min.

Environmental

Temperature range	-55 °C to +165 °C
RoHS	Compliant with exemption 6C

Materials

Body and outer contacts	Brass or BeCu, nickel or gold plated
Male contact	Phosphor bronze, gold plated
Crimp ferrule	Copper, nickel plated
Spring	Stainless steel, nickel plated
Insulator	PTFE

HD-BNC Connectors Also Available

Through Hole Jacks



Part Number	Description
034-5022	Straight PCB Jack
034-5023	Straight PCB Jack, Bulkhead
034-5024	Right Angle PCB Jack, Bulkhead

Edge Mount Bulkhead Jacks



Part Number	Description
034-5013	Edge Mount PCB Jack, Bulkhead
034-5037	Straight PCB Jack, Edge Mount, Bulkhead
034-5038	Straight PCB Jack, Edge Mount, Bulkhead

Panel Mount Receptacles



Part Number	Description
034-5013	Straight Jack, Round Post, Panel Mount

Straight Crimp Plugs



Part Number	Description
034-5008	Straight Crimp Plug for RG-316 Cable
034-5017	Straight Crimp Plug for LMR-195-UF, IP-67

Straight Solder Plugs



Part Number	Description
034-5027	Straight Solder Plug for .047 Conformable Cable
034-5026	Straight Solder Plug for .085 Conformable Cable

Straight Crimp Jacks



Part Number	Description
034-5019	Straight Crimp Jack for RG-316 Cable, Bulkhead

Right Angle Crimp Plugs



Part Number	Description
034-5021	Right Angle Crimp Plug for LMR-195-UF, IP-67

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