

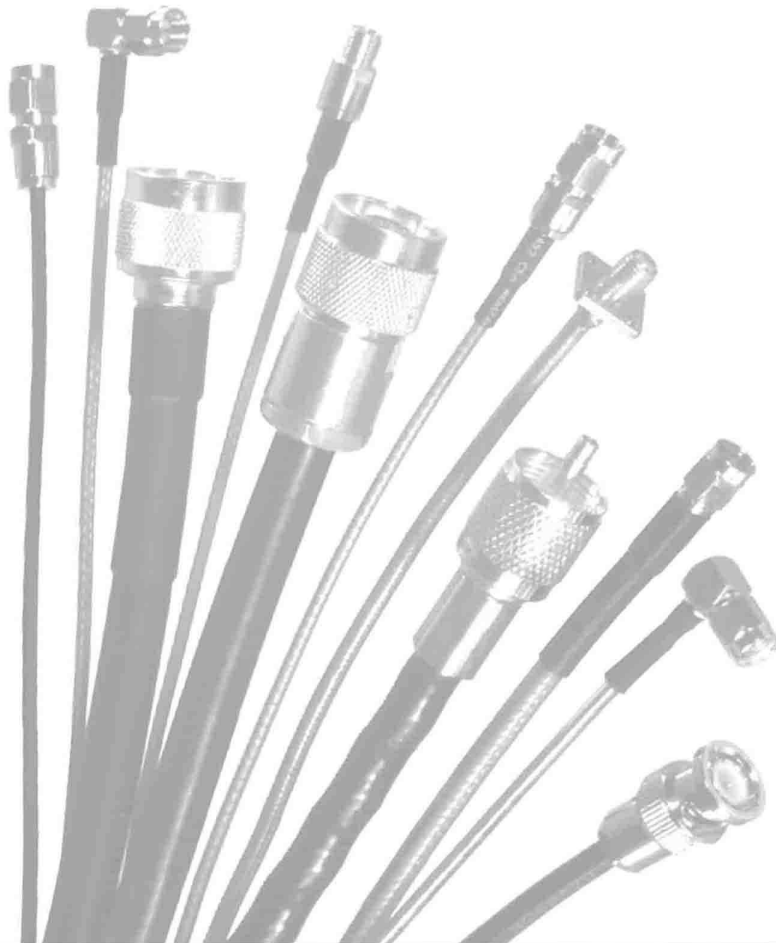
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Helix/HiTemp Cables™

Helix/HiTemp & RF Connectors

Cross Reference

Cable to Connector Cross Reference



RF Connectors, Division of RF Industries, 7610 Miramar Road, San Diego, CA 92126-4202
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HOW TO USE THIS MANUAL

This manual is organized first by HELIX/HITEMP Cable groups and then by the types of RFI connectors available for each group. The connector lists are divided into subgroups by interface type.

Each connector listing contains the RFI part number, the description and the materials used for each connector. The materials listings consist of the body, shell, pin/contact, and dielectric.

The Cable Number Locator below is supplied for easy cross-referencing by cable part number to page number.

Example:

*You need to know if RFI has an N Male Clamp Solder Plug for **HELIX/HITEMP** 395001.*

*Refer to the table below for **HELIX/HITEMP** 395001. Go to page 4. Under the heading for **HELIX/HITEMP** 395001, 395002, 395004 you will find RFN-1904-1N and RFN-1904-1S.*

From the description and the materials information you are able to determine if one of these connectors works for your application. The legend on page two explains the material codes used in this manual.

Part numbers with an (*) are special order only. If you have special requirements, please contact RF Industries' sales department for assistance.

Cable Number Locator

Cable #	Page #	Cable #	Page #	Cable #	Page #	Cable #	Page #
385003	7	395010	7	397002	2	495018	5
385004	7	395011	7	397106	2	495019	7
385005	7	395012	7	495003	5	499066	5
395001	4	395021	5	495005	5	499082	5
395002	4	395022	6	495006	5	499097	5
395003	5	395023	7	495012	7	499099	5
395004	4	397001	6	495013	7		

The information found in this guide was compiled using specifications that were current at the time of compilation. Please note that manufacturer's specifications are subject to change without notice. We therefore suggest that after using this guide to make your initial connector selections, you should obtain the latest product specifications from this cable manufacturer and RF Industries.

* Special Order
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HELIX/HITEMP & RF INDUSTRIES CABLE TO CONNECTOR CROSS REFERENCE

Legend			
BODY PLATING	SHELL PLATING	PIN/CONTACT	DIELECTRIC
C - Chrome	C - Black Chrome	G - Gold	B - Bakelite, Dap, Phenolic
G - Gold	G - Gold	N - Nickel	D - Delrin, Polypropylene
N - Nickel	N - Nickel	S - Silver	T - Teflon
S - Silver	S - Silver		
SS - Stainless Steel	SS - Stainless Steel		

Helix/Hitemp 397002, 397106

PART NUMBER	DESCRIPTION	BODY	SHELL	P/C	DIE
BNC					
RFB-1100-2	BNC Male Clamp Solder Plug (Captive Pin); UG-88D/U	N	N	G	D
RFB-1100-2ST	BNC Clamp Solder Plug(Captive Pin); UG-88/U, C/U, D/U,E/U	S	S	G	T
RFB-1102-T	BNC Male Solderless Plug	N	N	S	T
RFB-1104	BNC Male Twist-on Plug	N	N	S	D
RFB-1106-2	BNC Male Crimp Plug; UG-1785/U	N	N	G	D
RFB-1106-2ST	BNC Male Crimp Plug; UG-1785/U	S	S	G	T
RFB-1106-2T	BNC Male Crimp Plug; UG-1785/U	N	N	G	T
RFB-1106-9	BNC Male Q/D Univ. Crimp Plug; for BNC, TNC, & N Female	N	N	G	D
RFB-1106-C-03	BNC Male Crimp with BeCu Contact	N	N	G	D
RFB-1110-C-04	BNC Male Right Angle Clamp Plug	S	S	G	T
RFB-1110-S	BNC Male Right Angle Solder Plug; UG-913/U, A/U	S	S	S	T
RFB-1110-1	BNC Male Right Angle Crimp Plug	N	N	G	T
RFB-1110-C-04	BNC Male Right Angle Clamp Plug	S	S	G	T
RFB-1117	BNC Female Crimp Bulkhead Jack	N	---	G	D
RFB-1121	BNC Female Twist-on Jack	N	---	S	D
RFB-1123-1	BNC Female Crimp Jack	N	---	G	T
RFB-1160	BNC Wall Plate Flush Mount Crimp Jack	N	---	G	D
RFB-1161	BNC Wall Plate Flush Mount Twist on Jack	N	---	G	D
7/16 Din					
RFD-1600-2-C	7/16 Din Male Clamp Plug Combo Straight or Right Angle	S	S	S	T
RFD-1605-2-C	7/16 Din Male Crimp Plug Combo Straight or Right Angle	S	S	S	T
RFD-1625-2-C	7/16 Din Female Clamp Jack Combo Straight or Right Angle	S	---	S	T
RFD-1630-2-C	7/16 Din Female Crimp Jack Combo Straight or Right Angle	S	---	S	T
RFD-1641-2-C*	7/16 Din Female 4-Hole Flange Clamp Panel Mount, Combo Straight or Right Angle	S	---	S	T
RFD-1642-2-C*	7/16 Din Female 4-Hole Flange Crimp Panel Mount, Combo Straight or Right Angle	S	---	S	T
FME					
RFE-6000-C	FME Male Crimp	N	---	G	T
RFE-6000-6C*	FME Male Crimp, Black	C	---	G	T
RFE-6050-C	FME Female Crimp	N	---	G	T
RFE-6050-6C*	FME Female Crimp, Black	C	---	G	T
N					
RFN-1000-N	N Male Solder Clamp Plug; UG-536 B/U	N	N	G	T

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HELIX/HITEMP & RF Industries Cable To Connector Cross Reference vol. 5

RFN-1000-1S	N Male Solder Clamp Plug; UG-536 A/U	S	S	G	T
PART NUMBER	DESCRIPTION	BODY	SHELL	P/C	DIE
RFN-1001-S	N Male Solder Plug	S	S	G	T
RFN-1005-2N	N Male Crimp Plug	N	N	G	T
RFN-1005-3C	N Male Crimp Plug	S	S	G	T
RFN-1005-5	N Male Crimp Plug (Quick Disconnect)	S	S	G	T
RFN-1009-C	N Male Right Angle Crimp Plug	S	S	G	T
RFN-1009-C-03	N Male Right Angle Crimp Plug, Square Body	S	S	G	T
RFN-1021-6	N Female Chassis, 4-Hole Flange, Solder Clamp	S	---	G	T
RFN-1022-8-C	N Female Crimp Blkhd, Rear Mount w/ O-Ring, for RG-58/U	N	---	G	T
RFN-1025-1	N Female Cable Clamp Jack; UG-536B/U	S	---	G	T
RFN-1027	N Female Crimp Cable Jack	S	---	G	T
Modified Shell SMA					
RFS-2006	SMA Male Right Angle Crimp with Modified Shell	N	---	G	T
TNC					
RFT-1200	TNC Male Clamp Solder Plug; MS39012/26-0101	N	N	S	T
RFT-1202-2	TNC Male Crimp Plug (Captive Pin); MS39012/26-0011	N	N	G	D
RFT-1202-2B	TNC Male Crimp Plug (Black Body); MS39012/26-001	C	C	G	D
RFT-1202-2T	TNC Male Crimp Plug (Captive Pin); MS39012/26-0011	N	N	G	T
RFT-1202-5	TNC Male Crimp Plug; (Quick Disconnect)	N	N	G	D
RFT-1204	TNC Male Solderless Plug	N	N	S	D
RFT-1206	TNC Male Twist on Plug; AMP 2221983-7	N	N	S	D
RFT-1212	TNC Female Crimp Bulkhead Jack; MS39012/23329/4-14	N	---	G	D
RFT-1214	TNC Female Twist on Cable Jack	N	---	S	D
RFT-1216-1	TNC Female Crimp Cable Jack; MS39012/27-0504	N	---	G	D
RFT-1218	TNC Male R/A Crimp Plug; MS39012/30-0504	N	N	G	T
UHF					
RFU-500	UHF Solder Plug; PL-259; Use with RFU-530 Reducer	S	N	S	Dap
RFU-501	UHF Solder Plug; PL-259; Use with RFU-530-S Reducer	S	S	S	T
RFU-504	UHF Male Push on Ferrule (No Installation Tools); PL-259	N	N	S	Dap
RFU-505	UHF Male Crimp Plug	N	N	S	Dap
RFU-505-ST	UHF Male Crimp Plug	S	S	S	T
RFU-505-5	UHF Male Crimp Plug (Short Crimp)	N	N	N	D
RFU-520	UHF Female Cable Clamp Jack	N	---	S	T
RFU-527	UHF Female Crimp	N	N	S	D
RFU-527-T	UHF Female Crimp Jack	N	---	S	T
RFU-530	Adapter/Reducer; Use with RFU-500	N	---	---	---
RFU-530-S	Adapter/Reducer; Use with RFU-501	S	---	---	---
RFU-530-Z*	Adapter/Reducer; Use with RFU-500 & 501	N	---	---	---
Mini-UHF					
RFU-600	Mini-UHF Push-on Ferrule Plug (No Installation Tools Required.)	N	N	S	T
RFU-600-1	Mini-UHF Male Crimp Plug; (AMP Drawn Metal Type)	N	N	S	D
RFU-600-2	Mini-UHF Male Crimp Plug, Short, Black Chrome; Onaglass Antennas	C	C	G	D
RFU-600-5	Mini-UHF Male Crimp Plug (Quick Disconnect)	N	N	G	D
RFU-600-6	Mini-UHF Male Crimp Plug; AMP 2266-001, Amphenol 81-115	N	N	S	D
RFU-600-10C	Mini-UHF Male R/A Crimp Plug	N	N	G	T
RFU-601-1	Mini-UHF Female Crimp Jack	N	---	G	D
RFU-617-C	Mini-UHF Female Crimp Rear Mount Bulkhead Jack	N	---	G	D
Reverse Polarity					

* Special Order
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PART NUMBER	DESCRIPTION	BODY	SHELL	P/C	DIE
RP-1005-C	N Reverse Polarity Male Crimp Plug (Female Contact)	N	N	G	T
RP-1106-C	BNC Reverse Polarity Male Crimp Plug (Female Contact)	N	N	G	T
RP-1117-C	BNC Reverse Polarity Crimp Bulkhead Jack (Male Contact)	N	---	G	T
RP-1202-C	TNC Reverse Polarity Male Crimp Plug (Female Contact)	N	N	G	T
RP-1212-C	TNC Reverse Polarity Crimp Bulkhead Jack (Male Contact)	N	---	G	T
RP-3000-C	SMA Reverse Polarity Male Crimp Plug (Female Contact)	N	N	G	T
RP-3000-1C	SMA Reverse Polarity Male Crimp Plug (Female Contact)	G	G	G	T
RP-3010-1C	SMA Reverse Polarity R/A Crimp Plug (Female Contact)	G	G	G	T
RP-3050-1C	SMA Reverse Polarity Crimp Jack (Male Contact)	N	---	G	T
RP-3252-1C	SMA Reverse Polarity Crimp Bulkhead Jack (Male Contact)	G	---	G	T
SMA					
RSA-3000-C	SMA Male Crimp Plug	N	N	G	T
RSA-3000-1C	SMA Male Crimp Plug, Three Piece	N	G	G	T
RSA-3010-C	SMA Male R/A Crimp Plug	N	N	G	T
RSA-3050-C	SMA Female Crimp	N	---	G	T
RSA-3060-C*	SMA Female Right Angle Crimp Jack	N	---	G	T
RSA-3100-C	SMA Male Clamp Solder Plug	N	N	G	T
RSA-3110-C	SMA Male Right Angle Clamp Plug	N	N	G	T
RSA-3220-C*	SMA Male Crimp Bulkhead, 2-Hole Flange	N	N	G	T
RSA-3230-C*	SMA Male Crimp Bulkhead, 4-Hole Flange	N	N	G	T
RSA-3252-1C*	SMA Female Crimp Bulkhead	G	---	G	T
RSA-3252-C	SMA Female Crimp Bulkhead	N	---	G	T
RSA-3260-C	SMA Female Crimp Bulkhead, 2-Hole Flange	N	---	G	T
RSA-3270-C	SMA Female Crimp Bulkhead, 4-Hole Flange	N	---	G	T
Reverse Thread					
RT-1005-C	N Reverse Thread Male Crimp Plug	N	N	G	T
RT-1009-C-03	N Reverse Thread Right Angle Male Crimp Plug	N	N	G	T
RT-1200-C	TNC Reverse Thread Male Clamp Plug	N	N	S	T
RT-1202-C	TNC Reverse Thread Male Crimp Plug	N	N	G	D
RT-3000-1C	SMA Reverse Thread Male Crimp Plug	N	N	G	T

Helix-Hitemp 395001, 395002, 395004

PART NUMBER	DESCRIPTION	BODY	SHELL	P/C	DIE
BNC					
RFB-1701-D	BNC Male Clamp Plug	N	N	G	T
RFB-1705	BNC Male Twist-on Plug	N	N	S	D
RFB-1706-9	BNC Male Crimp Plug (Quick Disconnect)	N	N	G	D
RFB-1707-D	BNC Male Crimp Plug	N	N	G	T
RFB-1707-2	BNC Male Crimp Plug; UG-1789/U	N	N	G	D
RFB-1709-D*	BNC Male Right Angle Clamp Plug	N	N	G	T
RFB-1710-D	BNC Male Right Angle Crimp Plug	N	N	G	T
RFB-1710-D-05*	BNC Male Right Angle Twist On Plug	N	N	G	T
RFB-1717	BNC Female Crimp Rear Mount Bulkhead Jack	N	---	G	D
RFB-1717-D	BNC Female Crimp Rear Mount Bulkhead Jack	N	---	G	T
RFB-1720	BNC Female Solder Clamp Socket; UG-261/U	N	---	S	T
RFB-1720-D*	BNC Female Clamp Jack	N	---	G	T
RFB-1722	BNC Female Twist-on Socket Jack	N	---	S	D
RFB-1724	BNC Female Crimp Jack	N	---	G	D
RFB-1724-D	BNC Female Crimp Jack	N	---	G	T
RFB-1760	BNC Wall Plate Flush Mount Crimp Jack	N	---	G	D
RFB-1761	BNC Wall Plate Flush Mount Twist-on Jack	N	---	G	D

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Mini Bayonet					
RFM-2000	Mini-Bayonet Female Crimp Cable Jack; Kings KM-59-23	N	---	G	T
N					
RFN-1001-S	N Male Solder Plug	S	S	G	T
PART NUMBER	DESCRIPTION	BODY	SHELL	P/C	DIE
RFN-1904-1N	N Male Clamp Solder Plug; UG-603/U, A/U	N	N	G	T
RFN-1904-1S	N Male Clamp Solder Plug; UG-603/U, A/U	S	S	G	T
RFN-1907-2S	N Male Crimp Plug	S	S	G	T
TNC					
RFT-1801*	TNC Male Clamp Solder Plug	N	N	S	T
RFT-1803-1	TNC Male Crimp Plug (Captive Pin); MS39012/26-0012	N	N	G	D
RFT-1805	TNC Male Solderless Plug; Amphenol 31-5061	N	N	S	D
RFT-1807	TNC Male Twist on Plug; AMP 221983-1	N	N	S	D
RFT-1813	TNC Female Crimp Bulkhead; MS39012/28-0012	N	---	G	D
RFT-1815	TNC Female Twist on Cable Jack	N	---	S	D
UHF					
RFU-500	UHF Solder Plug; PL-259; Use with RFU-531 Reducer	S	N	S	Dap
RFU-501	UHF Solder Plug; PL-259; Use with RFU-531-S Reducer	S	S	S	T
RFU-506	UHF Male Crimp Plug	N	N	S	Dap
RFU-520-D-03	UHF Female Clamp Jack	N	---	G	T
RFU-531	Adapter/Reducer; Use with RFU-500	N	N	---	---
RFU-531-S	Adapter/Reducer; Use with RFU-501	---	S	---	---
RFU-531-Z*	Adapter/Reducer; Use with RFU-501	---	S	---	---
Mini-UHF					
RFU-601-5	Mini-UHF Female Crimp Jack	N	---	S	T
MHV					
RHV-100-D	Medium High Voltage Male Clamp Plug	N	N	G	T
RHV-106-D	Medium High Voltage Male Crimp Plug	N	N	G	T
RHV-124-D	Medium High Voltage Female Clamp Jack	N	---	G	T

Helix/Hitemp 395003, 495006

PART NUMBER	DESCRIPTION	BODY	SHELL	P/C	DIE
BNC					
RFB-1707-D1	BNC Male Crimp Plug	N	N	G	T
RFB-1717-D1*	BNC Female Crimp Rear Mount Bulkhead Jack	N	---	G	T

HelixHitemp 395021, 499066, 499082

BNC					
RFB-1707-D2	BNC Male Crimp Plug	N	N	G	T
RFB-1717-D2*	BNC Female Crimp Rear Mount Bulkhead Jack	N	---	G	T

Helix/Hitemp 495003, 495005, 495018, 499097, 499099

PART NUMBER	DESCRIPTION	BODY	SHELL	P/C	DIE
BNC					
RFB-1707-D3*	BNC Male Crimp Plug	N	N	G	T
RFB-1717-D3*	BNC Female Crimp Rear Mount Bulkhead Jack	N	---	G	T

* Special Order
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Helix/Hitemp 395022, 397001

PART NUMBER	DESCRIPTION	BODY	SHELL	P/C	DIE
BNC					
RFB-1101-1EN	BNC Male Clamp Solder Plug; UG-959A/U	N	N	G	D
7/16 Din					
PART NUMBER	DESCRIPTION	BODY	SHELL	P/C	DIE
RFD-1600-2-E	Male Clamp Combination Connector Straight or Right Angle	S	S	S	T
RFD-1605-2-E	Male Crimp Combination Connector Straight or Right Angle	S	S	S	T
RFD-1625-2-E	Female Clamp Combination Connector Straight or Right Angle	S	---	S	T
RFD-1630-2-E	Female Crimp Combination Connector Straight or Right Angle	S	---	S	T
RFD-1641-2-E*	Female 4 Hole Flange Clamp Combination Connector Straight or Right Angle	S	---	S	T
RFD-1642-2-E*	Female 4 Hole Flange Crimp Combination Connector Straight or Right Angle	S	---	S	T
N					
RFN-1001-S	N Male Solder Plug	S	S	G	T
RFN-1002-1N	N Male Solder Clamp Plug	N	N	G	T
RFN-1002-1S	N Male Solder Clamp Plug	S	S	G	T
RFN-1006-3E	N Male Crimp Plug; UG-1681/U	S	S	G	T
RFN-1008-3E	N Male Right Angle Clamp Plug	S	S	G	T
RFN-1009-3E	N Male Right Angle Crimp Plug	S	S	G	T
RFN-1021-7*	N Female 4-Hole Flange Panel Mount Clamp	S	---	G	T
RFN-1024-1	N Female Cable Clamp Jack; UG-23D/U, F/U	S	---	G	T
RFN-1028	N Female Crimp Jack	S	---	G	T
TNC					
RFT-1218-E*	TNC Male Right Angle Crimp Plug	N	N	G	T
RFT-1219-E	TNC Male Right Angle Clamp Plug	N	N	G	T
UHF					
RFU-500	UHF Solder Plug; PL-259	S	N	S	Dap
RFU-501	UHF Solder Plug; PL-259	S	S	S	T
RFU-503	UHF Male, Waterproof Plug (w/ Silicon Rubber O-Rings / Seals); PL-259	N	N	S	T
RFU-507	UHF Male Crimp Plug	N	N	S	Dap
RFU-507-S	UHF Male Crimp Plug	S	S	S	Dap
RFU-507-ST	UHF Male Crimp Plug	S	S	S	T
RFU-520-1E	UHF Female Cable Clamp Jack	N	---	S	T
MHV					
RHV-100-E	Medium High Voltage Male Clamp Plug	N	N	G	T

Helix/Hitemp 395010

PART NUMBER	DESCRIPTION	BODY	SHELL	P/C	DIE
BNC					
RFB-1701-G	BNC Male Clamp Plug	N	N	S	T
RFB-1707-G	BNC Male Crimp Plug	N	N	G	T
RFB-1708	BNC Male Crimp Plug	N	N	G	D
RFB-1708-1T	BNC Male Crimp Plug (Dbl. Shield)	S	N	G	T
RFB-1710-G	BNC Male Right Angle Crimp Plug	N	N	G	T
RFB-1717-G	BNC Female Crimp Rear Mount Bulkhead Jack	N	---	G	T
RFB-1724-G	BNC Female Crimp Jack	N	---	G	T

* Special Order
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N					
RFN-1907-1G	N Male Crimp Plug	S	S	G	T

Helix/Hitemp 395011, 395012

PART NUMBER	DESCRIPTION	BODY	SHELL	P/C	DIE
BNC					
RFB-1707-Q	BNC Male Crimp Plug	N	N	G	T
PART NUMBER	DESCRIPTION	BODY	SHELL	P/C	DIE
RFB-1710-Q	BNC Male Right Angle Crimp Plug	N	N	G	T
RFB-1717-Q	BNC Female Crimp Rear Mount Bulkhead Jack	N	---	G	T
RFB-1724-Q	BNC Female Crimp Jack	N	---	G	T
TNC					
RFT-1803-Q	TNC Male Crimp Plug	N	N	G	D

Helix/Hitemp 495012, 495013, 495019

PART NUMBER	DESCRIPTION	BODY	SHELL	P/C	DIE
BNC					
RFB-1707-Q1	BNC Male Crimp Plug	N	N	G	T

Helix/Hitemp 395023

PART NUMBER	DESCRIPTION	BODY	SHELL	P/C	DIE
BNC					
RFB-1707-R1	BNC Male Crimp Plug	N	N	G	T

Helix/Hitemp 385003, 385004, 385005

PART NUMBER	DESCRIPTION	BODY	SHELL	P/C	DIE
BNC					
RFB-1707-S1	BNC Male Crimp Plug	N	N	G	T
RFB-1710-S1	BNC Male R/A Crimp Plug	N	N	G	T
RFB-1717-S1	BNC Female Crimp Rear Mount Bulkhead Jack	N	---	G	T
RFB-1724-S1	BNC Female Crimp Jack	N	---	G	T
Mini-SMB 75 Ohm					
RSB-200-1-179DS	Mini-SMB Crimp Plug	G	---	G	T
RSB-210-1-179DS	Mini-SMB Right Angle Crimp Plug	G	---	G	T
RSB-220-1-179DS	Mini-SMB Crimp Jack	G	---	G	T
RSB-221-1-179DS	Mini-SMB Crimp Jack	G	---	G	T
SMB 75 Ohm					
RSB-300-1-179DS	SMB Crimp Plug	G	---	G	T
RSB-301-179DS	SMB Crimp Plug, with Locking Shell	N	---	G	T
RSB-310-1-179DS	SMB Right Angle Crimp Plug	G	---	G	T

* Special Order
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Cable assemblies using any HELIX/HITEMP cable with any standard RF connector listed here are available in any specified length with short lead times. All flexible crimp cable assemblies are fabricated with soldered center contacts and adhesive lined shrink tubing for additional cable retention and strain relief.

More cable to connector cross references are available which include: Alpha, Antenna Specialist, BICCGeneral, Belden, Carol, Comm/Scope, Cushcraft Ultralink, CCI/Intercomp, Daburn, Dearborn, General/Guardian, GEPCO, Harbour Industries, Haverhill, Manhattan CDT, Micro-Coax, Military, National, Remece, Saxton, Standard Wire, Thermax CDT, Times Microwave, WestPenn CDT.

Regarding any requirement you may have, please contact RF Industries at the following address:

7610 Miramar Road, San Diego, CA 92126-4202

(858) 549-6340

(800) 233-1728

Fax: (858) 549-6345

Email: sales@rfindustries.com