



BNC 75 RF CONNECTORS

Amphenol offers a complete range of high-performance BNC plugs for use in digital/HD video applications. Amphenol's True 75 Ohm BNC connectors perform well up to and beyond 3GHz and are designed to terminate to a variety of popular coaxial cable types. We can also offer custom connectors to suit non-standard cables on request. Plugs feature a precision machined brass body and coupling nut plated with cost effective nickel plating.

Applications

- Broadcast
- High bandwidth video equipment
- D1/D2 serial digital
- Graphic work stations
- Telephony / Workstations

Options

- Crimp Plugs
- Jack to Jack adapters
- Patch Panels
- 'D' Shell Jacks
- Plug to Plug U-Link connectors
- Crimp Tools

Ordering Codes

We have listed the more common ordering codes in each section. Amphenol offer an extensive range of RF connectors for most applications.

Please visit www.amphenolconnex.com for further information. Please contact us if you need any further assistance.

Simple steps to guide you in using this catalogue

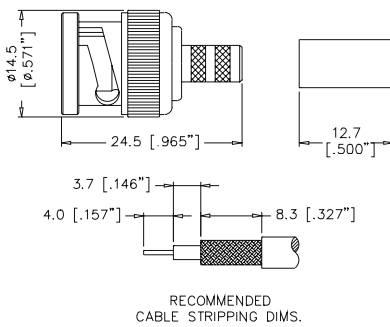
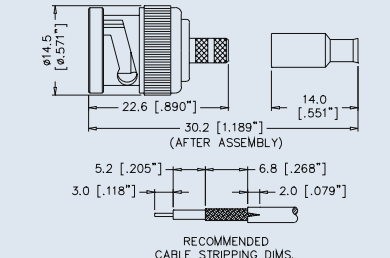
- 1) Identify the product group listed in Contents on page 1 and go directly to that page number.
- 2) Each product group cover page then details information and options available.
- 3) Refer to the product detail pages and identify the product you require pictorially.
- 4) Read the product description column for the products standard features.
- 5) Use variations column to determine your choice.
- 6) Identify part number.
- 7) In the event the particular option you require is not listed please refer to the part number breakdown page at the end of each section.
- 8) Please contact us directly if you have any further problems.





Amphenol manufactures a large range of connectors to suit cables other than those listed below, for example Belden YR23769 and 46899, please contact us to discuss your specific requirements.

The complete Amphenol Connex catalogue featuring a wide range of RF connector products is available on request. Item code CAT-CONNEX-01.

PRODUCT - FIGURE	DRAWING Dimensions in mm (inches)	CABLE TYPE RG-/U	INSULATION	CRIMP TOOL	PART NUMBER
	Straight Crimp Plug - Captive Contact- Standard Cable  RECOMMENDED CABLE STRIPPING DIMS. Assembly Instruction A - page 89	59/ 62/ 140/ 210	Delrin	A	112119
			Teflon	E	112952*
		59/ U-20AWG	Delrin	A	112507
			Teflon	E	112956*
		11/ U-14AWG/ B8213/ B9292/ B7731/ B1859A	Teflon	D	112606
		6/ 143/ 212	Delrin	E	112508
		B1694A/ B9248	Delrin	E	112565
			Teflon	E	112957*
		6 PLENUM/ B1695A	Delrin	E	112519
		B8281/ B9231/ B9141	Delrin	E	112509
	Straight Crimp Plug-Captive Contact-Miniature Cable (Remark: With Teflon sleeve / Hex crimp size .178")  RECOMMENDED CABLE STRIPPING DIMS. Assembly Instruction B - page 89	179/ 187/ B9221	Delrin	B	112133
		180/ 195/ 122/ B8218/ B1865A/ B1855	Delrin	B	112521
			Teflon	F	112955*

Note: *True 75 ohm.



BNC 75 RF ACCESSORIES AND TOOLING

PRODUCT - FIGURE	DESCRIPTION	DIE CAVITIES	CABLE TYPE RG-/U	CONNECTOR GUIDE	PART NUMBER
	Crimp tool with Die Set	.255 / .213 / .068	59 / 62	A	47-10070
		.178 / .128 / .068	179 / 187 / 180 / 195	B	47-10150
		.429 / .100 / .080	11	D	47-10090
		.324/.255/ .068/.042	6 / 59 / B8281	E	47-10110
		.213/.178 / .068/.042	AT&T 735A, B1855A, B8218	F	47-10120

Note: *True 75 ohm.



Features:

- Amphenol True 75 Ohm Connectors
- Bayonet lock or Push-on types
- Supplied with adhesive strip ID labels

Options:

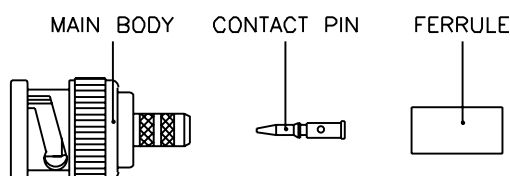
- 1RU, 20 BNC connectors or 2RU, 40 BNC connectors
- Aluminium in Clear or Black anodised
- Steel in Black powder coat
- Customised versions available on request

PRODUCT - FIGURE	DRAWING	Dimensions in mm (inches)	DESCRIPTION	MATERIAL / FINISH	LOADED WITH (refer to page 84 for specifications)	PART NUMBER
1RU 1X20 Patch Panel, Supplied with 1 ID label				Steel / Black	Empty Panel	AC-BNC20M
				Steel / Black	AC-BNC-JJA-75	AC-BNC20MJ75
				Steel / Black	AC-BNC-PJA-75	AC-BNC20MP75
				Aluminium / Clear	Empty Panel	AC-BNC20A
				Aluminium / Clear	AC-BNC-JJA-75	AC-BNC20AJ75
				Aluminium / Clear	AC-BNC-PJA-75	AC-BNC20AP75
				Aluminium / Black	Empty Panel	AC-BNC20B
				Aluminium / Black	AC-BNC-JJA-75	AC-BNC20BJ75
				Aluminium / Black	AC-BNC-PJA-75	AC-BNC20BP75
2RU 2X20 Patch Panel, Supplied with 2 ID labels				Steel / Black	Empty Panel	AC-BNC40M
				Steel / Black	AC-BNC-JJA-75	AC-BNC40MJ75
				Steel / Black	AC-BNC-PJA-75	AC-BNC40MP75
				Aluminium / Clear	Empty Panel	AC-BNC40A
				Aluminium / Clear	AC-BNC-JJA-75	AC-BNC40AJ75
				Aluminium / Clear	AC-BNC-PJA-75	AC-BNC40AP75
				Aluminium / Black	Empty Panel	AC-BNC40B
				Aluminium / Black	AC-BNC-JJA-75	AC-BNC40BJ75
				Aluminium / Black	AC-BNC-PJA-75	AC-BNC40BP75
Panel ID label				Plastic	Not Applicable	AC-BNC-LABEL

BNC 75 RF ASSEMBLY INSTRUCTIONS

ASSEMBLY A

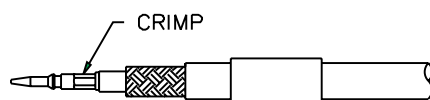
STEP 1



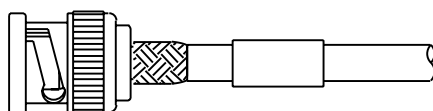
STEP 2



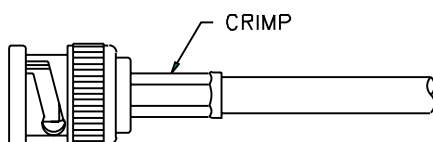
STEP 3



STEP 4



STEP 5



STEP 1. All parts of the connector are shown. A crimp tool is necessary to complete the connection.

STEP 2. Strip the cable inner conductor, dielectric, braid, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalogue.

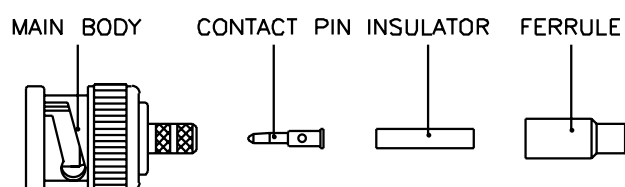
STEP 3. Insert inner conductor into the CONTACT PIN, crimp it with the crimp tool as shown. Then slide the FERRULE onto cable.

STEP 4. Insert the MAIN BODY into braid and dielectric.

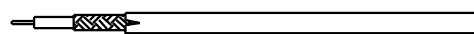
STEP 5. Slide the FERRULE over braid, crimp it with the crimp tool as shown.

ASSEMBLY B

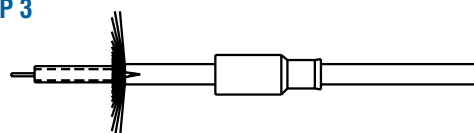
STEP 1



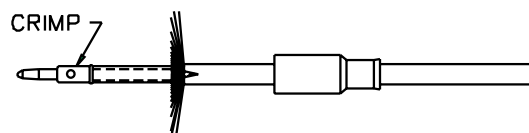
STEP 2



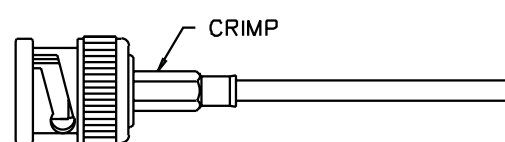
STEP 3



STEP 4



STEP 5



STEP 1. All parts of the connector are shown. A crimp tool is necessary to complete the connection.

STEP 2. Strip the inner conductor, dielectric, and jacket as per "RECOMMENDED CABLE STRIPPING DIM'S" in catalogue.

STEP 3. Slide the FERRULE on to cable, then fold back braid wire and slide the INSULATOR on to dielectric as shown.

STEP 4. Insert inner conductor into the CONTACT PIN, crimp it with crimp tool as shown.

STEP 5. Push cable and parts into the MAIN BODY until it stops. Then slide the FERRULE over braid wire and against the MAIN BODY, crimp it with the crimp tool as shown.

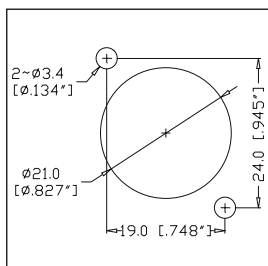
STANDARD DATA BNC 75 RF CONNECTORS

		VALUE	
GENERAL CHARACTERISTICS	Mating	Bayonet Lock	
	Cable Attachment	Crimp - Crimp	
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU	
ELECTRICAL CHARACTERISTICS	Impedance	75Ω	
	Frequency Range - Standard	0 - 1 GHz	
	- True 75 Ohm	0 - 4 GHz	
	Voltage Rating	500V RMS	
	Dielectric withstanding voltage	1500 Volts RMS	
	VSWR - Standard	1.05+0.1f(GHz) DC to 1 GHz	
	- True 75 Ohm	1.5+0.1f(GHz) DC to 4 GHz	
	Contact Resistance	1.5 milliohm	
	Centre Contact	1.0 milliohm	
	Outer Contact	5000 MΩ (min.)	
	Insulation Resistance		
MATERIALS	Part	Material	Finish
	Body, Coupling sleeves	Brass	Nickel
	Crimp Ferrule	Annealed Copper	Nickel
	Male Contact	Brass	Gold
	Female Contact	Beryllium Copper or Phosphor Bronze	Gold
	XLR Housing	Diecast Zinc Alloy	Satin Nickel or Black Polyester
	Insulators	Teflon or Delrin	Natural

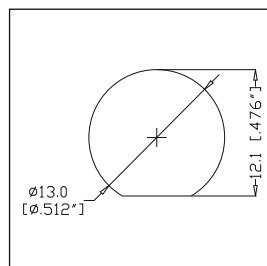
NOTE: These characteristics are typical and may not apply to all connectors.

PANEL CUTOUTS - FRONT VIEW

**AC-BNC-PJ-75
AC-BNC-JJ-75**



**AC-BNC-PJA-75
AC-BNC-JJA-75**



Rev 4 - 03/2013

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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