

NEW 75Ω BNC/DIN Connector

BNCP-K series (BNC Crimping type)

Applications

This connector is fully compliant to 3G/HD-SDI transmission by 75Ω BNC Crimping type specialized for High frequency Coaxial Cable for broadcasting TCX series.

Check!!
Technical Support on Page 6

Features

- TACHII has materialized VSWR property as less than 1.1 (30kHz ~ 3GHz) significantly lower reflection property than ever before.※1
- TACHII has employed a new idea for the connector which is elongated body in shape easily manageable so that hands cannot get easily hurt on repeated rotating work for connector plugging/pulling, and also greatly improved the manageability of connector to the plug/pull tool.
- By displaying TACHII's own identification seal on BNCP-K series (less than 5C size), the connection can be very easily confirmed to equipment sides in racks and video patch panel etc.※2
- It is possible to process without any discomfort, namely the cut-size on crimping type BNC connector is equal to conventional commodity. TACHII has also included BNCP-8CHK (Crimping type connector specialized for TCX-8CHD) in our lineup, the first case in our business field.

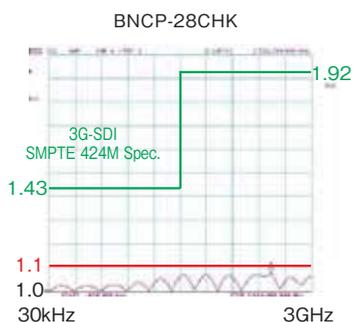
Products in lineup

Connector		Identification seal	Cable type (Made by TACHII)	Crimping die (Made by TACHII)	Crimp height Proper range	AL Tape removal	Compliant to SDI		
Model (Marked on Identification seal)	Part No. (Marked on Connector body)						3G	HD	SD
BNCP-28CHK	2065 28CHD		TCX-2.8CHD Multiple 2.8CHD*	CDS-284G	1.44~1.55mm	Need	○	○	○
BNCP-3CHK	2065 3CHD		TCX-3CHD	CDS-35V	1.44~1.55mm	Need	○	○	○
BNCP-4CHK	2065 4CHD		TCX-4CHD Multiple 4CHD*	CDS-284G	1.44~1.55mm	Need	○	○	○
BNCP-5CHK	2065 5CHD		TCX-5CHD	CDS-45F	1.44~1.55mm	Need	○	○	○
BNCP-6CHK	2065 6CHD	—	TCX-6CHD	CDS-67G	1.93~2.04mm	Need	○	○	○
BNCP-7CHK	2065 7CHD	—	TCX-7CHD	CDS-67G	1.93~2.04mm	Need	○	○	○
BNCP-8CHK	2065 8CHD	—	TCX-8CHD	CDS-08G	2.41~2.52mm	Need	○	○	○
BNCP-3CFBK	2065 3CFB		TCX-3CFB Multiple 3CFB*	CDS-35V	1.44~1.55mm	Need	○	○	○
BNCP-4CFBK	2065 4CFB		TCX-4CFB	CDS-45F	1.44~1.55mm	Need	○	○	○
BNCP-5CFBK	2065 5CFBL		TCX-5CFBL Multiple 5CFBL*	CDS-45F	1.44~1.55mm	Need	○	○	○
BNCP-7CFBK	2065 7CFBL	—	TCX-7CFBL	CDS-67G	1.93~2.04mm	Need	○	○	○
BNCP-3C2VK	2065 3C2V		TCX-3C2V TCX-3C2VS Multiple 3C2VS* Multiple 3C2V*	CDS-35V	1.44~1.55mm	—	—	—	○
BNCP-5C2VK	2065 5C2V		TCX-5C2V TCX-5C2VS Multiple 5C2VS*	CDS-35V	1.44~1.55mm	—	—	—	○

※2 Refer to Page 6 if technical support is needed when confirming connection with identification seal. Make sure by hands or tools for final mating connector.
 ※3 Use crimping frame by setting the specified crimping die with TCF-01 (7C max.), TCF-02 (BNCP-8CHK) made by TACHII. Refer to Processing instructions attached to the product for processing method or Page 21 (below 7C). Connector installation method on Page 22 for BNCP-8CHK.
 ※4 Use after confirming cable O.D. by shrinking tube etc matching equally to standard type when processing to suitable cable (*) marked.
 If use without matching with O.D., SDI signal transmission may be blocked by braid shield exposure etc. as a result of weak installation strength and sheath coming off from connector.
 ※5 Compliant SDI is as follows ○: Perfect ○: Possible —: Impossible The performance can be guaranteed only subject to the combination with our compatible cable, instead of connector alone.
 ※6 All the connectors listed in Pages 19 & 20 have been jointly developed by [Winchester Electronics \(KINGS\)](#) in U.S. and TACHII.

VSWR Properties

- ※1 For BNCP-3C2VK, BNCP-3CFBK, BNCP-5CHK, as follows.
 1.1 max. (30kHz~2.4GHz)
 1.2 max. (2.4GHz~3GHz)



Body/Sleeve : Brass+Nickel plated
 Center contact : Brass+Gold plated
 Outer contact : Beryllium Copper+Nickel plated
 Insulator : Teflon resin
 Gasket : Silicon rubber

Maintenance parts

- In order to support customers, TACHII can separately sell all the parts (common to each series) to cover shortage due to lost, and processing mistake, on 100 pcs. unit. Contact with our business department on details.

Connector		Part No.		Connector		Part No.	
Model	Part No.	Center contact	Crimping sleeve	Model	Part No.	Center contact	Crimping sleeve
BNCP-28CHK	2065 28CHD	61-4004G03	900-1077N10	BNCP-3CFBK	2065 3CFB	61-4004G03	900-1112N10
BNCP-3CHK	2065 3CHD	61-4015G03	900-1112N10	BNCP-4CFBK	2065 4CFB	61-4017G03	900-4CF0N10
BNCP-4CHK	2065 4CHD	61-4005G03	900-9991N10	BNCP-5CFBK	2065 5CFBL	61-4009G03	900-1111N10
BNCP-5CHK	2065 5CHD	61-4008G03	900-1111N10	BNCP-7CFBK	2065 7CFBL	61-4011G03	900-1113N10
BNCP-6CHK	2065 6CHD	61-4011G03	900-2400N10	BNCP-3C2VK	2065 3C2V	61-4006G03	900-1112N10
BNCP-7CHK	2065 7CHD	61-4003G03	900-1113N10	BNCP-5C2VK	2065 5C2V	61-4007G03	900-1109N10
BNCP-8CHK	2065 8CHD	61-4016G03	900-1110N10	D1NP-28CHK	0345-E00-28C01N	—	900-1077N10

BNCP-HK series (BNC Triple chuck solder type)

Applications

This connector is fully compliant to 3G/HD-SDI transmission by 75Ω BNC Triple chuck solder type specialized for High frequency Coaxial Cable for broadcasting TCX series.

Features

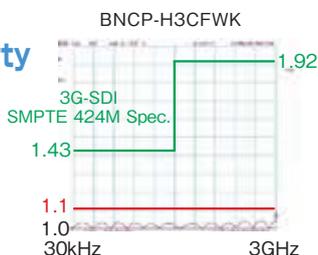
- TACHII has materialized VSWR property to be less than 1.1 (30kHz ~ 3GHz), significantly lower reflection property than ever before.
- It can make customers convenient that TACHII has developed Triple chuck solder type BNC connector by changing solder to clench system used to require BNC connector at shield side before. The working time can be also shortened greatly in accordance with this new system.

Products in lineup

Connector		Cable Type (Made by TACHII)	Mounting		Compatible SDI		
Model	Part No.		Center conductor	External conductor	3G	HD	SD
BNCP-H3CFWK	2065-700-3CW01N	TCX-3CFWS RJP □-3CFWS* RJP series D unit * SJP series V unit *	Solder	Clench	3CFWS only	○	○
BNCP-H4CFWK	2065-700-4CW01N	TCX-4CFWS RJP □-4CFWS* RJP series G unit *	Solder	Clench	○	○	○
BNCP-H5CFWK	2065-700-5CW01N	TCX-5CFWS RJP □-5CFWS* TCX-5CFW RJP □-5CFW* RJP·SJP series H unit * W unit *	Solder	Clench	○	○	○

※7 Please refer to the attached instructions or Page 23 on connector processing.
 ※8 Use after confirming cable O.D. by shrinking tube etc matching equally to standard type when processing to suitable cable (*) marked.
 If use without matching with O.D., SDI signal transmission may be blocked by braid shield exposure etc. as a result of weak installation strength and sheath coming off from connector.
 ※9 Compliant SDI is as follows ○: Perfect ◯: Possible -: Impossible
 The performance can be guaranteed only subject to the combination with our compatible cable, instead of connector alone.

VSWR Property



Body/Each part : Brass+Nickel plated
 Center contact : Brass+Gold plated
 Outer contact : Beryllium Copper+Nickel plated
 Insulator : Teflon resin
 Gasket : Silicon rubber

DINP-K series (DIN Crimping type)

Applications

DIN 1.0/2.3 connector specialized for High frequency Coaxial Cable TCX-2.8CHD and fully compliant to 3G/HD-SDI transmission.

Features

- Specialized for TCX-2.8CHD fully compliant to 3G-SDI, compatible to DIN 1.0/2.3 specifications .
- Crimping work to center contact is not required, and just to sleeve only.
- Best choice for wiring to high density router etc. because of much smaller body than BNC connector.

Products in lineup

Connector		Cable type (Made by TACHII)	Processing	Crimping die (TACHII's)	AL tape removal	対応SDI		
Model	Part No.					3G	HD	SD
DINP-28CHK	0345-E00-28C01N	TCX-2.8CHD	Crimping (Sleeve only)	CDS-284G	Required	○	○	○

※10 Crimping frame to be set with crimping die specified to TACHII's TCF-01 and use. Refer to Page 24 about the connector processing method.
 ※11 Compatible SDI as follows. ○: Perfect ◯: Possible -: Impossible
 The performance can be guaranteed only subject to the combination with our compatible cable, instead of connector alone.



Body/Sleeve : Brass+Nickel plated
 Center contact : Copper alloy+Gold plated
 Outer contact : Copper alloy+Gold plated
 Insulator : Teflon resin

NEW Specialized Crimping Tool

Applications

This is the specialized tools on crimping work for BNCP-K series and DINP-K series to TCX series made by TACHII. Do not use for other company products.

Crimping Tools in lineup

Crimping die	Crimping die size				Compatible Frame	Die-Frame set
	Center contact	Sleeve①	Sleeve②	Sleeve③		
CDS-284G	◇ 1.35mm	○ 4.87mm	○ 6.81mm	-	TCF-01	TCF-284G
CDS-35V	◇ 1.35mm	○ 5.88mm	○ 7.63mm	-		TCF-35V
CDS-45F	◇ 1.35mm	○ 6.45mm	○ 8.07mm	-		TCF-45F
CDS-67G	◇ 1.88mm	○ 10.24mm	-	-		TCF-67G
CDS-08G	◇ 2.38mm	○ 12.06mm	-	-	TCF-02	TCF-08G

