

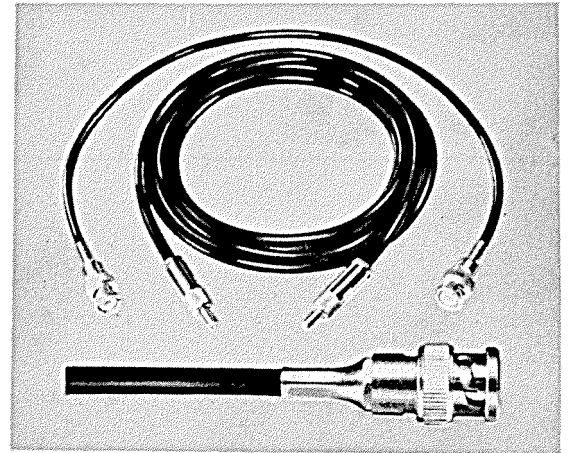
# CA SERIES RF CO-AXIAL CONNECTORS

## Overview

Making electronic equipment highly reliable has recently become an important problem, and connectors are no exception. As is well known, the reliability and stability of connectors are more or less determined by the reliability of the wiring connections.

BB-X, which is introduced here, is an improved product in which BNC-type plugs (equivalent to UG-88/U), which have special clamps attached to both ends of RG-58C/U high-frequency cables, are connected in order greatly to increase the cable clamping force.

The measuring cords for testing, which have been approved in the specifications for measuring cords for NTT coaxial cables (NTT Standards No. 4172, 1st edition), consist of 3C-2V cords to which the 3CV type (Standard No. 4172, 1st edition, connector units, listed in our catalog PO-series) or 3C type (Standard No. 2095, 2nd edition, listed in our catalog BNC series) is attached.



## Characteristic features

### BB-X

- (1) They have a high reliability in which the high-frequency characteristics and contact resistance do not change even when the connectors and cables are subjected to torsion, tension, strong vibrations and impacts from outside sources.
- (2) Since they are manufactured as testing cords, consisting of cables of a specified length to which connectors are attached, they are very useful as coaxial cables with connectors for measuring instruments.
- (3) The wiring in the connected state in actual use has characteristic features which are clear.

### Type 3CV

- (1) The surface treatment of the electrically continuous parts is gold or silver plating, and that of the shell parts is nickel plating. This results in outstanding corrosion resistance with unimpaired electrical performance properties.
- (2) The connecting strength between the cords and the connectors is high.
- (3) There is a standard cord length. This is extremely valuable in use.

## Type Type 3CV

(1) CABLE ASSEMBLY      Series name  
Configuration of Part number

3CV - CP CP - ( )  
① Type    ② Indicates the connectors at both ends    ③ Standard shell length (cm)

Note ① : Indicates that the type is either 3CV or 3C.

Note ② : If both ends are 3CV-CP: CP CP

Note ③ : The numbers indicate the standard shell length (in units of cm).

Standard shell length: 0.5, 1, 2, 3, 4

## Type Type BB-X

(1) CABLE ASSEMBLY      Series name  
Configuration of Part number

BB - X  
① Type    ② Overall length (cm)

Note ① : If both ends have BNC plugs: BB

Note ② : The numbers indicate the overall length (in units of cm).

## Performance characteristics

Characteristic impedance	75Ω
Frequency characteristics	1.3 or less at 3000MHz
Withstand voltage	500V AC (rms value) for 1 minute
Contact resistance	5mΩ or less (at 1A DC)
Insulation resistance	500MΩ or more at 500V DC
Cable clamping force	10kg or more

## Performance characteristics

Characteristic impedance	50Ω
Withstand voltage	1500V AC (rms value) for 1 minute
Contact resistance	5mΩ or less (at 1mV)
Insulation resistance	500MΩ or more at 500V DC
Cable clamping force	10 kg or more

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