

## WBT-0114 Cu/Ag nextgen™ RCA plug

Coaxial plug for cables up to 9 mm dia.

Made in Germany

Int. Pat. pend.

The RCA plug WBT-0114 is a product of the nextgen™ series of WBT's RCA type connectors. The model WBT-0114 offers a perfect combination of a robust, stable plug body and a filigree signal conductor with reduced mass placed in the front part of the plug.

### Central contact unit

It is the core of the nextgen™ innovation: minimalist with regard to the applied metal mass (mass storage effect \*), however all signal conductors are made of pure copper or fine silver only pure gold or platinum are used for the contact elements as protection against corrosion. Nevertheless, the hybrid construction enables to reach high mechanical stability. The signal transfer is very dynamic and precise. The band width has a linear course up to  $\geq 400$  MHz at  $75 \Omega$  characteristic impedance which makes the connector suited for transmission of digital signals.

\* Further details and explanations can be found in WBT glossary under [www.wbt.de](http://www.wbt.de)

### EMI shielding against electromagnetic interfering fields

The clamping sleeve enables a perfect shielding against electromagnetic interfering fields. This is why WBT-0114 is excellently suited for analogue outputs of low-level phono range, i.e. turntables (moving coil, moving magnet), microphones etc. since undesirable interspersions can be very high there depending on the nature of the devices and on what they are surrounded by (cellular phones, computers etc.).

### Patented collect chuck device

The contact quality of conventional RCA type plugs are often undeniably poor. They "sit" in the socket rather badly. It is a matter of fact that e.g. the outer contact of RCA type sockets varies between 7.95 and 8.55 mm dia.! WBT has developed the patented collect chuck device in order to enable a firm fit of the plug in the socket being necessary for a good contact as well as a constant high pressure. The patented collet chuck device makes it possible for WBT RCA plugs to adjust to all kind of RCA type sockets so perfectly. You turn the outer sleeve in the direction of the cable and the sleeve's cone presses the three outer contact elements firmly together. This not only provides for the necessary high contact pressure but also clamps the plug firmly to the socket. Consequently, the transition resistance is not only extremely low, but first of all very stable.



### Cable strain relief

The cable strain relief is effected by means of a Torx<sup>1</sup> screw. Torx is a high tech screw system. In combination with WBT's special self impeding fine thread it perfectly preserves the pressure once it has been given.

**Recommended materials:** WBT-0805 silver solder, flat push-on cable shoe

### Handling

When connecting or disconnecting the plug make sure that the collect chuck is not activated. You release the mechanism by turning the sleeve in a forward direction.

**Important: WBT coaxial plugs are designed exclusively for use in signal connections of the audio and video range. WBT GmbH assumes no liability for incorrect use.**

### Excerpt from the WBT programme

<b>WBT-0210 Cu nextgen™ RCA type socket:</b>	chassis mounting type, made from pure copper, 75 ohms char. impedance, for digital and analogue outputs
<b>WBT-0210 Ag nextgen™ RCA type socket:</b>	same, but made from pure silver
<b>WBT-0800 silver solder:</b>	4% Ag, 0.9 mm dia, with halogen-free flux, low melting temperature: 178/180°C
<b>WBT-0805 silver solder:</b>	lead-free solder with 4% Ag, 0.9 mm dia., halogen-free flux, melting temperature: 216/219°C

<sup>1</sup>Torx is a registered trademark of Camcar Textron, USA.

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Detailed product information available. Design and specifications subject to change without notice.