

RCA type connector nextgen WBT-0110

Coaxial plug for cables up to 9 mm dia.
nextgen version, for soldering

Int. Patent 0460145

US Patent 5,226,841

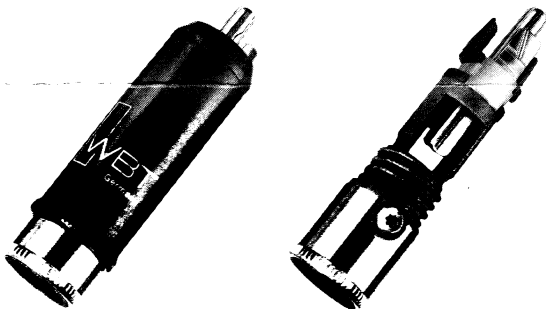
Int. Patent pend. 102 58 689.6-34

Made in Germany

Your RCA type plug WBT-0110 is a product of the nextgen series, the next generation of WBT's RCA type connectors. nextgen RCA connectors do feature a wealth of innovations, all of them good enough to fill audiophiles with enthusiasm. On their nextgen products WBT uses as conductor material exclusively **pure copper** as well as **fine silver** in case of the silver version WBT-0110 Ag. Ultimate conductivity therefore is guaranteed. Thanks to the gold and platinum finish the contacts are perfectly protected from corrosion.

The conductors' daintiness insures that the nextgen connectors are totally **free from interferences** especially from Eddy current. Therefore, you will enjoy a much more dynamic and precise signal transmission in your nextgen connectors.

The contact quality of conventional RCA type plugs are undeniably poor. This is due the fact that e.g. the outer contact of RCA type sockets do still vary between 7.95 and 8.55 mm dia.! An ideal pin-plug connector can therefore never be a perfect fit but has to be **adaptable**. This is what WBT RCA type plugs offer for a long time already. It is due to the **patented collet chuck clamping device** that WBT RCA type plugs can be adjusted 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 ensures uniformly high contact pressure but also clamps the plug firmly to the socket. Consequently, the contact resistances are not only extremely low but also very stable.



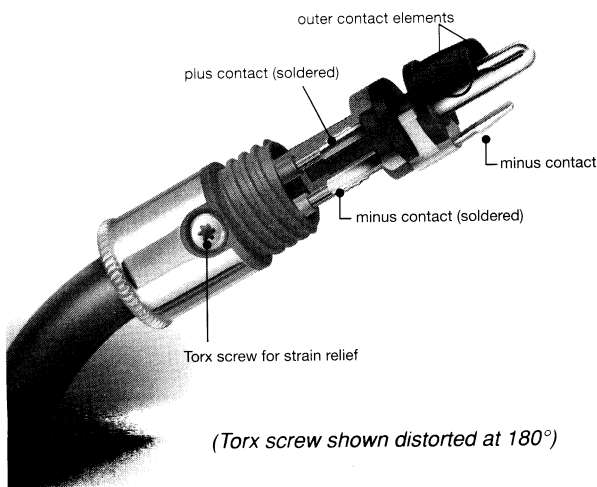
The **cable strain relief** is effected by means of a Torx[®] screw. Torx is a high tech screw system. In combination with WBT's special self impeding fine thread it perfectly preserves the pressure once it has been given.

The special bonus: 75 ohms characteristic impedance

Other than conventional RCA type plugs which feature a characteristic impedance between 20 and 35 ohms due to their construction, the **impedance of nextgen connectors are set on 75 ohms**. This makes the nextgen WBT-0110 a really indispensable element for all matched audio and video connections given the fact that digital connections of today are offering ever higher performance. Especially with the extreme bandwidth of digital connections in HiFi and Home Cinema the match of the characteristic impedance is crucial. Why shouldn't you please yourself giving you this special bonus for your digital connections?

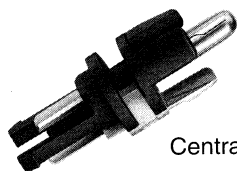
Hints for assembly

You have easy access to the soldering points of the plus and the minus conductor (see picture).



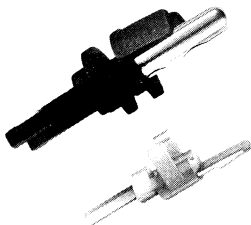
(Torx screw shown distorted at 180°)

But your nextgen plug WBT-0110 makes it even more comfortable: By pressing the two snap hooks left and right you have the possibility to pull out the whole Central Contact Unit by the front. This way you may solder the plus and the minus outside the connector's body.



Central Contact Unit

In a second step you can - if necessary - even take apart the Central Contact Unit since the plus and the minus contact are enclosed in a separate plastic holders each so that you can get them apart.



When you have finished your soldering you only have to clip plus and minus together respectively to push the whole Central Contact Unit back into the plug's body until it clicks into place.

Handling

When connecting or disconnecting the plug make sure that the chuck clamping is not activated (see at the reverse of this page). 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.

Recommended materials

- WBT-0800 silver solder (4% Ag)