

# WBT-0610 Cu/Ag nextgen™ Banana plug

for cable up to 10 mm<sup>2</sup> / 7 AWG

EP Patent 2 240 982

GSM EG 953 849

GSM US D604, 243S

The nextgen™ banana plug WBT-0610 is a connector that uses top-class technology. Thanks to its all-round insulation and the additional safety pin, it offers today's Hi Fi enthusiasts an unusually high level of application security. WBT-0610 is designed in accordance with the WBT nextgen™ principle. The signal conductors are made from pure copper (WBT-0610 Cu) or fine silver (WBT-0610 Ag) and hence extremely efficient. The copper (silver) conductor is protected from oxidation by direct nickel-free gold (platinum) plating. In accordance with the nextgen™ principle, the conductor material is also reduced to a minimum and the whole connector body is largely metal-free in design. You can now look forward to an even more detailed and generous musical sound!



### Handling

Your WBT-0610 can be secured in all banana sockets. This securing mechanism can be operated with one hand by simply turning the spindle with moderate force (sort of hand-tight). This drives the spindle spike into the contact pin, causing it to expand. This not only protects your plug from becoming loose or detached, but it also guarantees suitable and reliable contact pressure, thereby minimizing transition resistance.

**Important: WBT-0610 may only be connected and disconnected in a freely accessible position!**

### The oblique angle

Because of its oblique angle, your WBT-0610 takes up less space when installed and allows equipment to be set up more compactly when space is at a premium. In addition the cable is fed directly to the ground and cannot be damaged through kinking.

### Important:

To ensure that you enjoy your WBT-0610 for many years to come, never clean it with contact cleaning agents as these can cause unpredictable chemical reactions to the contact elements as well as the insulating components. It is absolutely sufficient to rub the contact elements occasionally with a dry cellulose-cloth..

### Cable assembly: Crimping

The recommended connection technology for your WBT-0610 is the crimping technique. This not only makes cable assembly quicker and easier, but also makes the connection more secure and stable in the long term. The transition resistance is much lower because the transition medium between the cable and connector is not a mixture of lead and tin - as with soldering - but pure copper or fine silver.



### Mounting and handling:

For a crimping termination you would only have to strip the cable as usual, slide on a suitable cable end sleeve and crimp the cable end by means of an appropriate crimping tool. The crimped cable end makes contact by being fixed onto the plug by the front Torx® screw, the rear screw secures the cable sheath and ensures a perfect strain relief.



### Crimping: some hints

Make sure you choose one of WBT's pure copper and 24 K gold plated cable end sleeves or the silver versions in case you have the silver plug WBT-0610.

- In order to achieve the best possible crimping result (a cold-welding bond) the sleeve should tightly fit to the cable cross section.
- When sliding the cable end sleeves onto the cable strands, avoid by all means to twist the strands: It complicates applying the sleeve since you would widen the cross section.
- The crimping pliers you use should provide a special bit for multimandrel pressure so that an 8 mm long connection piece can be achieved with one powerful squeeze.

More crimping details are available through our website [www.wbt.de](http://www.wbt.de)

**Warning:** Crimped cable ends should never be additionally soldered. Tinned cable end is not allowed either.

**Safety note:** The banana plug WBT-0610 is only approved for use in the low-voltage range. Its safety pin prevents accidental insertion of the plug in a mains socket. In order to avoid the risk of injury and impairment of the functional properties of the plug, you should never completely unscrew the spindle. WBT GmbH assumes no liability for incorrect use.



### Accessories/Recommended tools:

WBT offers a wide range of crimping accessories: gold-plated cable sleeves made of pure copper in all standard sizes from 0.5 to 16 mm<sup>2</sup> (22 - 5 AWG), special crimping pliers for the above requirements, and a complete crimping set for beginners.

### WBT-0403 crimping pliers / WBT-0411 crimping set

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