The revolution of connectors

Less is not always less – sometimes it is more!

Classic connectors are solid, massy and precise, but also heavy, corruptively massive and with eddy current problems.

That means:

- large, conducting metal masses result in capacitive and inductive loads for the signal flow (memory effects)
- large conductor cross sections cause large nonlinear eddy current distortions

	RCA plugs	RCA sockets	Banana plugs	Pole terminals
classic	brass, massive: 19,27 g	brass, massive: 10,37 g	brass, massive: 23,11 g	brass, massive: 55,98 g
				
	comparison of metal masses			
nextgen	copper, low mass: 0,93 g	copper, low mass: 1,88 g	copper, low mass: 4,73 g	copper, low mass: 3,34 g
				
	75 Ω up to 1 GHz			
	nextgen™ WBT-0110 Cu	nextgen™ WBT-0210 Cu	nextgen™ WBT-0610 Cu	nextgen™ WBT-0703 Cu

nextgen™ connectors are a hybrid composite of specialised materials and therefore the solution to almost any problem of massive connectors. The filigree conductor of pure copper provides the signal transmission, in conjunction with the various contact pressure generating spring and gripping mechanisms, a direct and low-loss transmission path. The plastic framework ensures stability and protects against dangerous touchvoltages. And since 2019 all nextgen™ Cu connectors have been gold-plated with modern **PVD[1] plasma technology,** recognizable by the embossed „**PP**“ or by this symbol:

nextgen™ stands for:

no unnecessary conductive masses, therefore:

- **no** additional nonlinear distortions
- **least** EMI influences
- almost **no** eddy currents
- signal flow with a **higher bandwith** through PDV plasma gold plating
- cinch connectors with 75 Ω impedance up to 1 GHz (corresponds to the digital norm DIN EN60958)!

[1] PVD = **P**hysical **V**apor **D**eposition

Impact sound interruptor

WBT-0718

The WBT impact sound interruptor is **the non-plus-ultra for all WBT RCA sockets and pole terminals.**

It attenuates the cabinet vibrations of loudspeakers and electronics (such as transformer hum etc.) and thereby enhances the contact quality.

WBT-Industrie GmbH · Essen · Germany | Phone: +49 (0)2054 87 552-50 | www.wbt.de · sales@wbt.de