

SILTECH



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MXT Professional Series



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# Siltech. Your connection to perfection



In 1983 a Dutch company was set up which was to become one of the world's reputed manufacturers of audio products: Siltech. Right from the start, we conducted extensive research and testing programmes to produce high quality cables for audio and video systems. The results did not go unnoticed. By 1990 Siltech's products were coming out on top in reviews by renowned audio magazines.

Now, our products sell in more than 40 countries around the world. And Siltech researchers continue to achieve astonishing results. Take Generation Three™ & Five™ Metallurgy (a high conductance silver and gold alloy), which has led to a better understanding of low-level conductance. And as Siltech develops each new audio product, we try to get nearer to our original goal: reliving the excitement of live music as you listen to it at home. Getting as close as you can to the original. Siltech has a passion for perfection.

# Every note, every nuance...



You're a music lover. That's why you want your high performance audio system to live up to your expectations. If it doesn't, it is often the cables that are to blame. Most cables are not able to deliver that high level of musical perfection. So the listener misses out.

Siltech cables such as the Signature series are known all over the world for their ability to reveal each and every nuance in the music. An extensive three-year development effort by Siltech's research laboratory has led to the introduction of the Mxt Professional series. Affordable audio cables to help

you get the most out of your system. What makes them special? Mxt means mixture and that is what is used for the Mxt cables. Mxt cables combine ultra high purity copper, silver and gold in a configuration called "Power Coaxial". The Mxt cables' unique metallurgical and geometric construction yields powerful bass, realistic voices and delicate



highs. Their very high current capability results in excellent dynamics and stable imaging. Siltech's Mxt Professional series provides a level of performance that is in a class of its own. Making sure that you don't miss a note.

# When silver meets gold



To understand why Siltech uses silver and gold metallurgy for its cables, we need to take a look at silver's crystalline structure. The natural crystal structure of copper and silver does not exhibit the characteristics of optimum conductivity. It produces small distortions when current flows through it. The crystal-group boundary affects the signal which generates these distortions. These crystal-groups can be seen as ball-shaped clusters of crystals. As you can see in the first diagram, there is a lot of space between

the connected 'balls'. This clearly provides less material for conducting, and a more complex signal path. Siltech has developed a proprietary technique that greatly reduces these crystal boundaries. After purifying the silver (between melt and solidification), we add 24K gold to it. The gold fills the empty spaces between the crystals and improves the mechanical and electrical signal transmission properties. This lowers the distortions dramatically, improving the signal to noise ratio. The result is far superior audio quality.

# Common specifications for Mxt cables



- **Low inductance and capacitance:**  
0.6 $\mu$ H-0.9 $\mu$ H / 25-600pF/m depending on function
- **Innovative shielding:**  
typically 95-99% coverage or higher
- **Wide frequency spectrum and ultra fast rise-time without resonance**
- **Ultra high dynamic range**
- **Extremely low noise:**  
(S/N ratios up to 150dB)
- **A must for SACD and DVD reproduction**
- **All Mxt audio and digital cables:**  
dual extra-dense shield for noise-free performance
- **All Mxt speaker cables:**  
dual extra-dense shield plus very high power handling
- **All Mxt video cables:**  
dual extra-dense shield plus low jitter and extreme frequency response
- **Mxt AC-mains cables:**  
Very high power handling and very low noise Perfect shielding for minimum I.M.I. (Induced Magnetic Interference)

Siltech Mxt™ Professional Series Connectors-Mxt™ Audio and Video Interconnect connectors are heavy-duty precision machined with 24K gold-plated contacts. The 24K gold-plated Mxt spades and banana plugs are high-current connectors and provide outstanding signal transfer. All Siltech connectors are extremely durable and corrosion resistant. This ensures superb signal transfer for a lifetime of use.

# Specifications



	<b>LONDON</b>	<b>PARIS</b>	<b>NEW YORK</b>	<b>MILAN</b>
Purpose	<b>Audio</b>	<b>Audio</b>	<b>Audio</b>	<b>S-Video</b>
Resistance	0.007 $\Omega$ /m	0.004 $\Omega$ /m	0.0028 $\Omega$ /m	-
Amplifier Power	0-300Watt	0-400Watt	0-600Watt RMS	-
Max. RMS Power	2200W / 8 $\Omega$	8000W / 8 $\Omega$	12500W / 8 $\Omega$	-
Distortion 0-20kHz	<0.0005%	<0.0003%	<0.00015%	-
Frequency Range	DC-18Mc	DC-30Mc	DC-50Mc / -1dB	500Mc
Perfect square wave	0 - > 10Mc	0 - > 15Mc	0 - > 30Mc	150Mc
Construction	Dual helical filled layers in co-ax configuration			Dual Coax
Conductors PCOFC	68 x 0.3 mm	108 x 0.3 mm	162 x 0.3 mm	Ag plated
G3 silver-gold strands	2 x 0.3 mm	4 x 0.3 mm	6 x 0.3 mm	-
Diameter	$\varnothing$ 6,5mm	$\varnothing$ 7,5mm	$\varnothing$ 8,5mm	$\varnothing$ 7,5mm
Conductor material	Siltech PCOFC-Au-Ag strands (Pure silver-gold)			Cu Ag
Audio classification	High	Very High	Best Mxt cable	-
Video classification	-	-	-	Best
Shielding	96%+	97%+	98%+	99%+
Signal-noise(*)	>142dB	>145dB	>150dB	>145dB

(\*) the S /N ratio specified relates to total noise received by the tested cable relative to a standard CD /DVD or SACD output level.