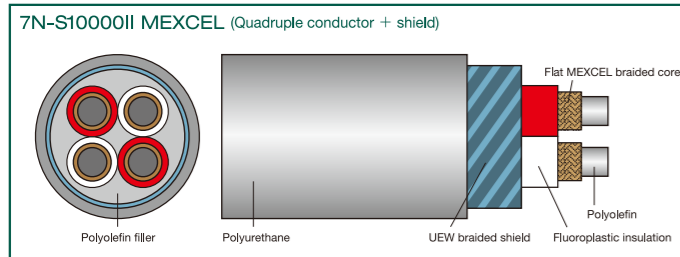




7N-S10000II MEXCEL

The 7N-S10000II has a quad-core star quad structure for double the conductor cross-sectional area of previous twin-core models without increasing the maximum cord diameter, thus providing better energy transfer befitting a top-end-model speaker cable. Bi-wiring spec options (connectivity of two terminals with four terminals) can also be ordered, and by adding a braided shield not available with the previous model, even more advanced measures against noise are taken.

There are dense braided conductors made of flat-shape MEXCEL braided conductors with a uniform MEDIS (electro-deposited insulation) coating applied to the four cores with polyolefin-elastomer strings wound around and interspaced to achieve flat transmission characteristics up to the gigahertz zone. Cables are also shielded with noise-reducing aluminum + carbon Kevlar composite sleeves at the hot/cold branch. Termination is silver + rhodium plating, and beryllium copper alloy 50 banana plugs or 6N Cu spade connectors can be specified when ordering.



Speaker cable
7N-S10000II MEXCEL (2.0m×2 single wiring)
 Custom order options
7N-S10000II MEXCEL (2.0m×2 bi-wiring)
 Cable length (special order): Extra charge applies per cable for each additional 0.5 m.

Main Features of the MEXCEL Cable Series

99.99999% purity "Stressfree" processing for transmission characteristics at a constantly high level

As the main conductor, MEXCEL series cables incorporate D.U.C.C.* 7N Cu developed by Mitsubishi Cable Industries. With 99.99999% purity, controlled in a base material production process equivalent to that used for semiconductors where high-level quality assurance is demanded, total metallic impurities are kept to less than 0.1 ppm. Metallic purity analysis itself requires precise know-how, and that highly accurate analysis technology is what guarantees such high purity. With respect to crystalline structure deterioration caused by bending when in use, excellent transmission characteristics are maintained using special "Stressfree" processing developed by ACROLINK for self-annealing at room temperature to preserve the optimal crystalline condition.

* D.U.C.C.

Dia Ultra Crystallized Copper (D.U.C.C.) is a high-purity copper conductor material for audio cables. It was developed by Mitsubishi Cable Industries. Its crystal grains are grown to many tens of times larger than those of ordinary pure copper, and the crystalline lattice is given unified directionality. The larger the crystal grains, the smaller the crystal grain boundary (boundary between individual crystals), thus providing greater benefit in terms of sound quality. However, the directionality of the metal crystals needs to be unified. That directionality can be observed using analysis phenomena involving irradiating with X-rays, but optimizing production processes such as those for bus production, wire drawing, and annealing results in excellent wire materials with the "optimum directionality for audio signal transmission."

Esoteric connectors that bring out the full power of MEXCEL cables

Much attention was also paid to using connectors that bring out the excellent characteristics of MEXCEL cables. By selecting the material best matching the character of the individual product, uncompromisingly great sound quality is gained from reference-grade through standard-model cables. RCA plugs for the 7N-DA6100II and 7N-A2500II use beryllium copper with excellent conductive properties and mechanical strength for the center connector pins. Those are given a mirror polish and finished in silver + rhodium plating. Plug covers use carbon fabric + aluminum for the effects in controlling vibration and reducing noise.

For the 7N-DA3100 RCA plugs, copper-tellurium was chosen for the hot side and beryllium copper for the cold side. They are finished with direct rhodium plating, and carbon fabric + aluminum covers are attached as with high-end models.

XLR plugs use beryllium copper (phosphor bronze for the 7N-DA3300) contact pins, and they boast stable high sound quality over the long term thanks to treatment with direct rhodium plating. The center contact pins of BNC plugs use phosphor bronze, which is cut from ingots and which boasts excellent sound quality only available from such a valuable rare material, and they are finished in 24K gold plating. All models of XLR/RCA plugs except for the 7N-DA3300 have a hollow pin structure, boasting about twice the surface area of ordinary plugs for even greater performance.

MEXCEL Cable Series Specifications

MEXCEL Model	7N-DA6100II		7N-DA6300II	
Center conductor	HOT	7N Cu MEXCEL solid core / Ø1.6mm x1		
	COLD	—		7N Cu MEXCEL solid core / Ø1.6mm x1
External conductor (shield)	7N Cu flat MEXCEL braid / 1.26Wx0.085t x24			
	Copper clad mylar tape		Copper clad mylar tape	
	Silver coated copper braid		Silver coated copper braid	
External diameter (mm)	11.3		11.3	
Resistance (mΩ/m)	< 8.0		< 9.2	
Capacitance (pF/m)	50		40	
Impedance (Ω)	75		110	

MEXCEL Model	7N-A2500II		7N-S10000II	
Center conductor	HOT	7N Cu flat MEXCEL braid / 0.8Wx0.1t x16		
	COLD	7N Cu flat MEXCEL braid / 0.8Wx0.1t x16		
External conductor (shield)	7N Cu flat MEXCEL braid / 1.88Wx0.122t x16		UEW braid	
	Copper clad mylar tape		—	
External diameter (mm)	11.5		21	
Resistance (mΩ/m)	< 13.8		< 13.8	
Capacitance (pF/m)	127		218	
Impedance (Ω)	110		—	

MEXCEL Model	7N-DA3100		7N-DA3300	
Center conductor	HOT	7N Cu MEXCEL solid core / Ø0.8mm x1		
	COLD	—		7N Cu MEXCEL solid core / Ø0.8mm x1
External conductor (shield)	Silver coated copper braid		Silver coated copper braid	
	—		Copper clad mylar tape	
External diameter (mm)	9.5		9.5	
Resistance (mΩ/m)	< 35.7		< 36.4	
Capacitance (pF/m)	—		—	
Impedance (Ω)	75		110	



Seeking a world of sound unknown until now, MEXCEL cables are entering new territory in a quest for further greatness



PROUDLY MADE IN TOKYO

ESOTERIC

ESOTERIC COMPANY

1-47 Ochiai, Tama-shi, Tokyo 206-8530, Japan

Fax: (042)356-9240

www.esoteric.jp <http://esoteric.teac.com/>

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MEXCEL has a single goal: To master new and unprecedented territory for audio cables. Since its appearance in 2004, MEXCEL brought major innovation to the field of audio cables, pioneering new technology and creating many legendary products in the process. Mitsubishi Cable Industries, developer of cutting-edge cables for the aerospace and defense industries, teamed up with audio cable specialist ACROLINK for this endeavor. Joint development by those two companies and ESOTERIC has given birth to MEXCEL cables delivering flat transmission characteristics with a wide frequency range going beyond the gigahertz frequency zone. The tremendous information volume carried by gigahertz frequency zone transmission has combined with high-purity 7N Cu (99.99999%) to unleash the potential of audio systems, transcending established concepts for analog and digital transmission cables.

Now the second generation of MEXCEL cables is here as the result of our quest for a maturity of musical expression that cannot be achieved by simply accumulating technologies. Making full use of the nine years since the appearance of the first generation, we have now reached a new milestone with products destined to spur a tide of change never before seen in the history of audio cables.

The ultimate MEXCEL technology for coating each and every wire with insulation

The greatest feature of MEXCEL cables is their ability to do flat transmission without fluctuation in impedance even in frequency bands up to the gigahertz range. MEXCEL employs conductor material technology that utilizes the MEDIS electro-deposition insulation method developed by Mitsubishi Cable Industries. This revolutionary method for electroplating insulating resin achieves uniform insulation for any shape, and it can even be applied to flat wires where insulation treatment of the four corners was previously extremely difficult. Through the insulation treatment of each and every wire, conductor area can be maximized and the attenuation of high-frequency characteristics caused by the "skin effect" minimized. The result is the acquisition of gigahertz flat transmission characteristics boasting an incomparable wide range.

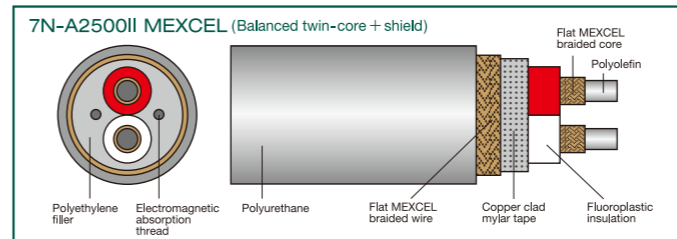
Gigahertz level flat transmission

A megahertz is ten times larger than 100 kilohertz, and a gigahertz is a further 1,000 times larger, so 1 GHz is 1 billion Hz. At the gigahertz level, extremely accurate waveform transmission without corruption to the signal waveform is possible in digital transmission. Even in analog transmission, flat frequency response can be achieved in the entire audible range, and, in addition, the response at high frequencies of almost vertical waveforms increases, exhibiting excellent effects in areas such as onset and offset of sound.



7N-A2500II MEXCEL

Positioned as the central product of the MEXCEL cable series, the 7N-A2500II uses ultrathin flat MEXCEL braided conductors for the center conductors as well as shielding, giving it a unique structure found nowhere else. The balanced twin-core center conductors and shielding knit together flat MEXCEL litz wires with no gaps to form pipe-shaped conductors. Consequently, it boasts more than double the skin area of round litz wires of the same cross-sectional area. Thanks to MEXCEL technology that allows a dramatic increase in the surface area of conductors, the "skin effect" (a phenomenon where resistance is increased when higher-frequency transmitted signals run on the conductor surface) can be kept in check, achieving gigahertz level flat transmission.



Audio Interconnect cable

7N-A2500II MEXCEL XLR (1.0m×2)

7N-A2500II MEXCEL RCA (1.0m×2)

Digital cable

7N-A2500II MEXCEL AES/EBU (1.0m×1)

Custom order options

Cable length (special order): Extra charge applies per cable for each additional 0.5 m. Digital cables with treated RCA termination are also available as special order items.



**7N-DA6300II MEXCEL
7N-DA6100II MEXCEL**

Esoteric is proud of the sound achieved by these reference-grade cables, which feature incomparable sound panning and sharpness. Expressive contrast is realized through a sense of presence created by distinctly portrayed direct sound and soft indirect sound. The vibration of the strings of stringed instruments has a powerful rhythm that can almost be seen. An ambiance with an abundant sense of scale seems to descend from above. Gigahertz flat transmissions of up to 20 GHz* express for the first time the "texture" and "taste" of sound.

The lineup features the twin core + shielded 7N-DA6300II XLR balanced cable and the coaxial (RCA, BNC) 7N-DA6100II models. Both have thick Ø1.6 mm solid MEXCEL (single core) center conductors and triple-layer shielding (ultrathin flat MEXCEL braid + copper Mylar tape + thick silver-coated copper braid) that increase the S/N feel to give the highest grade of music expression in the MEXCEL series.

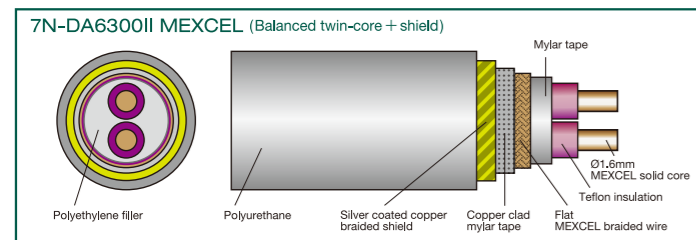
*Achieved with coaxial 7N-DA6100II featuring excellent high-frequency characteristics.



**7N-DA3300 MEXCEL
7N-DA3100 MEXCEL**

The standard models of the MEXCEL cable series, the 7N-DA3300 and DA3100 carry over without compromise the essential qualities of the 7N-DA6300II/DA6100II flagship models. This series also inherits "gigabit level flat transmission" with which flat transmission is possible even up to the gigahertz range. The audibly wide-range feel and dynamism brought about by excellent frequency response are both exceptionally pure as is the sound texture. The top-level expressiveness shared by the entire MEXCEL series is suffused with a sense of space that lets you forget about the cables in the audio system.

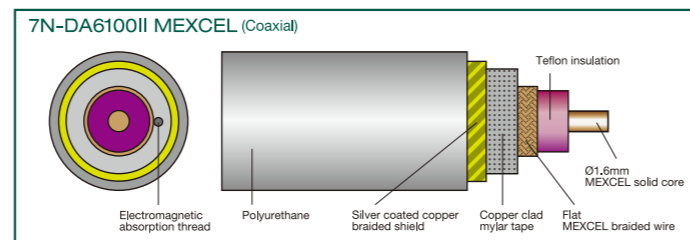
The 7N-DA3300 is a twin core + shielded XLR balanced cable, and the 7N-DA3100 is a coaxial cable (RCA, BNC). Both models have a Ø0.8 mm solid core MEXCEL (single core) center conductor that supports tight, powerful sound quality in these offshoots of the flagship models. (A thick silver-coated copper-braided shield is employed to increase S/N.)



Audio Interconnect cable
7N-DA6300II MEXCEL XLR (1.0m×2)

Digital cable
7N-DA6300II MEXCEL AES/EBU (1.0m×1)

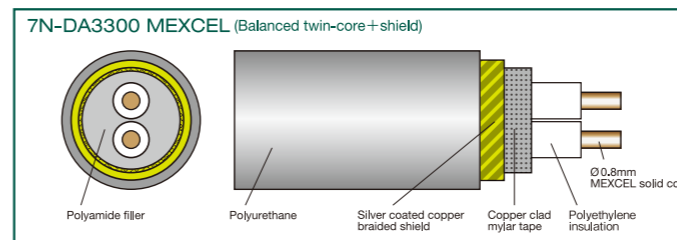
Custom order options
Cable length (special order): Extra charge applies per cable for each additional 0.5 m. Audio interconnect cables with treated RCA termination are also available as special order items.



Audio Interconnect cable
7N-DA6100II MEXCEL RCA (1.0m×2)

Digital cable
7N-DA6100II MEXCEL BNC (1.0m×1)

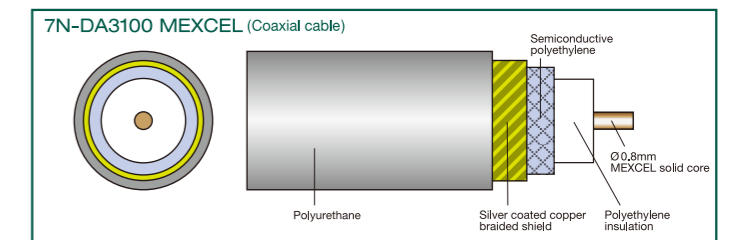
Custom order options
Cable length (special order): Extra charge applies per cable for each additional 0.5 m. Digital cables with treated RCA termination are also available as special order items.



Audio Interconnect cable
7N-DA3300 MEXCEL XLR (1.0m×2)

Digital cable
7N-DA3300 MEXCEL AES/EBU (1.0m×1)

Custom order options
Cable length (special order): Extra charge applies per cable for each additional 0.5 m. Audio interconnect cables with treated RCA termination are also available as special order items.



Audio Interconnect cable
7N-DA3100 MEXCEL RCA (1.0m×2)

Digital cable
7N-DA3100 MEXCEL BNC (1.0m×1)

Custom order options
Cable length (special order): Extra charge applies per cable for each additional 0.5 m. Digital cables with treated RCA termination are also available as special order items.