



*Material, design and engineering – all elements vital for pure signal transfer were technically investigated to provide the ultimate in reproduction quality. ESOTERIC® and its top of the line 'MEXCEL®' cable – Hear everything as it was meant to be through ESOTERIC MEXCEL!*

## MEXCEL Audio Interconnect Cable

### 7N-DA6300 MEXCEL



- Features;
  - 7N (99.99999%) Cu conductor material
  - Twin-core screened cable (balanced)
  - MEXCEL solid core conductor (x2)
  - Flat-shape MEXCEL braided shielding
  - Flat impedance response over 1GHz!

- Application;
  - Highest grade audio interconnect
  - AES/EBU digital connection (XLR)

■ Remarks;  
Our reference cable for balanced connection, highly recommended for Transport to DAC interconnects.

### 7N-DA6100 MEXCEL



- Features;
  - 7N (99.99999%) Cu conductor material
  - Single-core coaxial cable (unbalanced)
  - MEXCEL solid core conductor (x1)
  - Flat-shape MEXCEL braided shielding
  - Flat impedance response up to 18GHz!

- Application;
  - Highest grade audio/video interconnect
  - SP/DIF digital connection (RCA)
  - Word clock signal interconnect (BNC)

■ Remarks;  
Our reference cable for unbalanced connection, highly recommended for DAC to preamp, preamp to power amp, interconnect (RCA), and clock interconnect.

### 7N-DA6000 MEXCEL



- Features;
  - 7N (99.99999%) Cu conductor material
  - MEXCEL multi-strand core conductor (x1)
  - Flat-shape MEXCEL braided shielding
  - Flat impedance response up to 18GHz!

- Application;
  - High grade audio/video interconnect
  - SP/DIF digital connection (RCA)
  - Word clock signal interconnect (BNC)

■ Remarks;  
Smaller diameter version of the DA6100, highly recommended for DAC to preamp, preamp to power amp, interconnect (RCA), and clock interconnect.

### 7N-A2500 MEXCEL



- Features;
  - 7N (99.99999%) Cu conductor material
  - Twin-core screened cable (balanced)
  - Flat-shape MEXCEL braided core (x2)
  - Flat-shape MEXCEL braided shielding
  - Flat impedance response over 1GHz!

- Application;
  - Highest grade audio interconnect
  - AES/EBU digital connection (XLR)

■ Remarks;  
Flat-shape MEXCEL wire implementation for both inner and outer conductors, achieving completely "skin-effect-free" signal transmission! Highly recommended for Transport to DAC interconnects.

## MEXCEL Audio Interconnect Cable

### 7N-DA2100 MEXCEL



- Features;
  - 7N (99.99999%) Cu conductor material
  - Twin-core screened cable (balanced)
  - Round-shape MEXCEL braided core (x2)
  - Polyurethane coat 4N Cu shielding
  - Aero-tube insulation technology

- Application;
  - High grade audio interconnect
  - AES/EBU digital connections (XLR)

■ Remarks;  
Maximum dielectric absorption capability is provided by Aero-tube insulation technology and patent pending, round-shape MEXCEL braided core conductor, (which contains an "air gap" between each wire). As a result, this cable delivers fast, open and dynamic response with high physical flexibility!

### 7N-DA5100 MEXCEL



- Features;
  - 7N (99.99999%) Cu conductor material
  - Single-core coaxial cable (unbalanced)
  - MEXCEL multi-strand core conductor (x1)
  - Polyurethane coat 4N Cu shielding
  - Aero-tube insulation technology

- Application;
  - High grade audio/video interconnect
  - SP/DIF digital connection (RCA)
  - Word clock signal interconnect (BNC)

■ Remarks;  
Aero-tube insulation version of the DA6000. Maximum dielectric absorption capability, and fast, open, dynamic response with high physical flexibility!

## Power Cord

### 7N-PC9100 MEXCEL



- Features;
  - 7N (99.99999%) Cu conductor material
  - MEXCEL multi-strand core conductor (x2)
  - 4.5 N Cu multi-strand ground line (x1)
  - Polyurethane coat 4N Cu shielding
  - Low dielectric polyolefin-hybrid insulation
  - Custom made power plug / IEC connector
  - Carbon fabric connector sleeve

■ Remarks;  
Our reference power cord incorporating MEXCEL conductor technology. MEXCEL technology provides flat impedance response over an entire frequency range, even for the main power path. This results in the highest quality for sound reproduction.

### 7N-PC7100

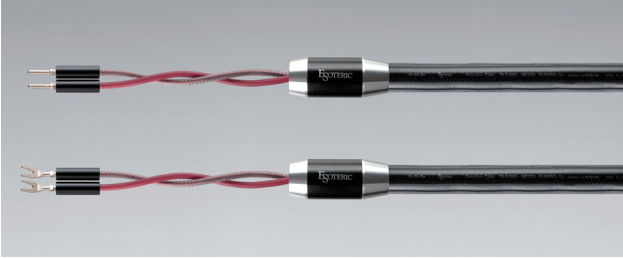


- Features;
  - 7N (99.99999%) Cu conductor material
  - 7N Cu multi-strand core conductor (x2)
  - 4.5 N Cu multi-strand ground line (x1)
  - Polyurethane coat 4N Cu shielding
  - Low dielectric polyolefin-hybrid insulation
  - Custom made power plug / IEC connector
  - Carbon fabric connector sleeve

■ Remarks;  
A Power cord incorporating high purity 7N Cu conductor produced by our Stress free annealing technology. Polymeric polyolefin-hybrid insulation (made from polyolefin + tungsten, amorphous and carbon powder), provides extremely low dielectric and high noise absorption capability.

## MEXCEL Speaker Cable

### 7N-S10000 MEXCEL



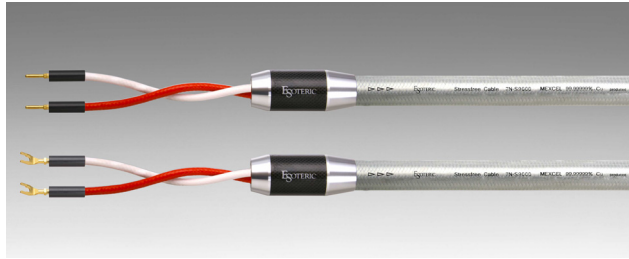
■ Features;

- 7N (99.99999%) Cu conductor material
- Twin-core speaker cable
- Flat-shape MEXCEL braided core (x2)
- Flat impedance response over 1GHz!
- Termination: 24K gold plated, phosphor bronze banana or 6N Cu spade
- Aluminum + carbon fabric composite outer jacket end sleeve

■ Remarks;

Conductor structure features Flat-shape MEXCEL wire braiding on polyolefin-elastomer core, achieving an exceptionally increased conductor surface area, completely "skin-effect-free" signal transmission.

### 7N-S9000 MEXCEL



■ Features;

- 7N (99.99999%) Cu conductor material
- Twin-core speaker cable
- Round-shape MEXCEL braided core (x2)
- Aero-tube insulation technology
- Termination: 24K gold plated, phosphor bronze banana or 6N Cu spade
- Aluminum + carbon fabric composite outer jacket end sleeve

■ Remarks;

Conductor structure features Round-shape MEXCEL wire braiding on Aero-tube insulation core, achieving increased conductor surface area, low-dielectric and "skin-effect-free" signal transmission.

## 8N-Reference Phono Cable / 8N i.LINK Cable



■ 8N-Reference Phono Cable (left) features;

- Ultra high purity 8N (99.999999%) Cu conductor material!
- Twin-line, screened coaxial cable with ground wire
- Double layer shielding (6N Cu spiral / braided UEW) with semi-conductive carbon layer
- Termination: RCA - RCA / 5-pin (straight) – RCA / 5-pin (left-angled) - RCA
- Nickel plated solid brass cable stabilizer and 5-pin connector sleeve
- Beryllium Cu contact pins and phosphor bronze RCA connector body

■ 8N i.LINK Cable (right) features;

- Ultra high purity 8N (99.999999%) Cu conductor material!
- Heavily screened 6 core cable
- 24K gold plated solid brass custom plugs (3 types: 6-pin with screws, 6-pin, and 4-pin)

## ESOTERIC Cable Technology

### MEXCEL technology

The engineering design of 'MEXCEL' conductors is to reduce skin effect. Skin effect is the tendency of an AC signal to travel near the surface of a conductor and cause the resistance of the conductor to increase with the frequency of the current.

'MEXCEL' conductors are made from a solid core or a number of separately-insulated wire strands, specially braided or twisted together to increase the surface area of conduction. This design greatly reduces the skin effect and lowers high frequency resistance, resulting in flat impedance response over the entire frequency range (up to the GHz region)! Thanks to extended high frequency and flat impedance response, harmonic contents of the signal will be enhanced and aligned correctly with fundamental notes.

Conductor insulation uses our highly developed 'MEDIS®' technology. This is an electro-coating technology applying a very even insulation layer to the conductor surface. (MEDIS: Mitsubishi Electro-Deposition Insulating System)

The top end 'MEXCEL' series partly uses extremely thin, flat shape wire strands to achieve further increased conductor surface area, enhancing the "skin-effect-free" response and RF noise rejection capability.

### Custom made plugs and connectors

All ESOTERIC connectors are designed and manufactured to our custom specifications to achieve ultimate conductivity and the highest order of mechanical precision. The body of RCA and BNC connectors is precisely milled from phosphor bronze (a non-magnetic material to avoid harmful eddy currents), and rhodium plated to achieve excellent physical strength and superb sound quality. The center conductor pin of our RCA connector has a center hole to increase the surface area, and is made from rhodium plated phosphor bronze (Phono cable uses beryllium copper center pin, and BNC plug has solid brass center pin). Our XLR connector body is rhodium plated solid brass and connector pins are the same material and structure as the center pin of the RCA connector. IEC / Wall plug of ESOTERIC power cords features 24K gold + Palladium plated phosphor bronze contact elements for ultimate conductivity. Carbon fabric sleeves are attached to RCA and power plugs to reject RF noise from entering the signal path.

### Pure conductor / Stress free annealing technology

ESOTERIC cables incorporate high purity "stress-free" copper conductors. The material purity of conductors used for critical areas is 8N (99.999999%) or 7N (99.99999%) copper. This high purity material was originally developed for the semiconductor industry which requires an extremely high level of quality certification, and guarantees 8N (or 7N) purity with less-than-0.01ppm (parts per million), of metallic impurities. This ultimate quality level is maintained by using 'GD-Ms' high precision material analysis technology. The wire uses special "stress-free" annealing technology to minimize distortion of the crystalline structure of the copper and optimizes the high purity and conductivity.

### Low-dielectric design

Low-dielectric is a critical criterion required for insulation design allowing the best performance out of high purity conductor cable. ESOTERIC cable conductors are implemented with low-dielectric insulation material such as PTFE (Teflon), and polyolefin (which dielectric is approx 1/4 of the conventional PVC), and other high technology material hybrids. 7N-DA5100, DA2100, and S9000 cable features 'Aero-tube' insulation technology. This technology enhances dielectric absorption capability and achieves open, dynamic sound qualities and physical flexibility.

