ESOTERIC

7N-PC9900 POWER CABLE 1.5Mx1

247275

The 7N-PC9900MEXCEL incorporates high purity “Stressfree” copper conductors. The material purity of conductors used for critical areas is 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 7N purity with less-than-0.01 ppm (parts per million), of metallic impurities.

PRODUCT DETAILS

Pure conductor / Stressfree annealing technology
The 7N-PC9900MEXCEL incorporates high purity “Stressfree” copper conductors. The material purity of conductors used for critical areas is 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 7N purity with less-than-0.01 ppm (parts per million), of metallic impurities. This quality level is maintained by using ‘GD-Ms’ high precision material analysis technology. The high purity copper wire uses special “Stressfree” annealing technology to minimize distortion of the crystalline structure of the copper. This new power cord also features extra-large crystalline structure conductor technology, “D.U.C.C.” (Dia Ultra Crystallized Copper) in order to farther optimize the high purity and conductivity of the power path.

Anti-noise design
The 7N-PC9900MEXCEL is an upgraded version of the 7N-PC9700MEXCEL and features new special shielding technology. The plug set features our highest quality silver + rhodium plated beryllium copper contact elements for ultimate conductivity and high mechanical strength that can withstand an 8 kg load. The connector sleeves are precisely machined from solid aluminum and are quite heavy. Carbon fabric sleeves are attached to reject RF noise from entering the electric power path. The cable incorporates high purity, D.U.C.C. (Dia Ultra Crystallized Copper) 7N Cu "MEXCEL" conductor produced by our Stressfree annealing technology. The dual-layer insulation consists of an anti-resonance polyolefin layer and polymeric polyolefin-hybrid insulation layer (made from polyolefin + tungsten, amorphous and carbon powder). This dual-layer construction is not only extremely low dielectric but also provides excellent noise absorption capability to this power cord. The outer jacket is made of UV resistant polyurethane to protext the cable from chemical and mechanical aging.

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 number of separately-insulated wire strands, specially 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. Thanks to extended frequency and flat impedance response,

© 2026 All rights reserved. Note: Specifications and design are subject to change without notice.

the 7N-PC9900MEXCEL delivers ultimately pure AC power to the system.

Key features

- D.U.C.C. Stressfree 7N (99.99999%) Cu “MEXCEL” litz wire
- 7N Cu multi-strand core conductor (x2)
- 4.5 N Cu multi-strand ground line (x1)
- Polyurethane coat 4N Cu braid + Special shielding technology
- Low dielectric polyolefin-hybrid insulation (polyolefin + tungsten, amorphous and carbon powder)
- Ultimate quality power plug / IEC connector
- Heavy weight aluminum + Carbon fabric connector sleeve

Specs

Product Attributes

EAN:	4907034222940
Manufacturer number:	7N-PC9900
Product weight:	0.0 kilograms
Pieces per master carton:	1 Piece

© 2026 All rights reserved. Note: Specifications and design are subject to change without notice.