The next generation of AC-charging cables

LEONI EcoSense® Nxt are optimised AC charging cables designed to make handling more comfortable. Reducing the outer diameter by an average of 4 % results in a weight saving of 6 % on average. The background and decisive factor here is the adaptation and improvement of the compound, the cores and the production process. The LEONI EcoSense® Nxt+ AC-cable generation combines the advantages of LEONI EcoSense® Nxt with power optimised cores.



LEONI



ELEONI EcoSense® Nxt/Nxt+
ELEONI EcoSense® PSE
ELEONI EcoSense® NACS

LEONI EcoSense® Nxt/Nxt+:

Cable Solutions for

167 countries

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LEONI EcoSense® Nxt LEONI EcoSense® Nxt+

AC Charging - The smart way of charging





Our Mission:

Improved charging processes with optimised charging cables

Optimised Design

Power - Weight - Cross-section

Based on technical developments in the compounds used and the manufacturing process, the Nxt and Nxt+ generations are reduced in weight and cable diameter. Power-optimised copper conductors additionally reduce the cross section by app. 25 % in comparison to conventional models. The optimised design makes the cable more flexible and easy to handle.

Optimised (CO₂ Footprint)

Packing density - logistics - weight reduction

Our smarter, space optimised design allows an increase in packing density of around 9 %. With lower logistical effort and weight reduction of the cable, emissions are significantly reduced, the CO₂ footprint of the product is improved.



Cable diameter - materials

With reduced cable diameters and the use of optimised materials, our LEONI EcoSense® Nxt and LEONI EcoSense® Nxt+ offer our customers an attractive cost basis.

Number of cores x cross-section [mm ²]	3x1.5+0.5 Nxt	3x2.5+0.5 Nxt	5x2.5+0.5 Nxt	3x6+0.5 Nxt	5x6.0+0.5 Nxt	3x1.5+0.5 Nxt+	5x1.5+0.5 Nxt+	3x4+0.5 Nxt+	5x4+0.5 Nxt+
Standard	IEC 62893 / EN 50620 / GBT 33594								
Outer diameter nom.	-4 % compared to conventional model					-9 % compared to conventional model			
Copper improvement	same as conventional mode!					-25 % compared to conventional model			
Cable weight	-6 % compared to conventional model					-20 % compared to conventional model			

