

Division Automotive Cable Solutions



LEONI Kabel GmbH
An der Lände 3
91154 Roth
Germany



cable-info@leoni.com



www.leoni-cable.com



[@leoni_cable](https://twitter.com/leoni_cable)



[@LEONI Automotive Cable Solutions](https://www.linkedin.com/company/leoni-automotive-cable-solutions)



OPTIMIZED IN
DESIGN
CO₂ FOOTPRINT
COST

LEONI EcoSense[®] Nxt
LEONI EcoSense[®] Nxt+

The smart way of charging -
for AC systems

LEONI

IT'S OUR MISSION TO CONTINUOUSLY IMPROVE THE CHARGING PROCESS FOR OUR CUSTOMERS.



OPTIMIZED 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. Additionally, LEONI EcoSense® Nxt+ is characterized by power-optimized copper conductors, leading to a reduction of the copper cross section of app. 25% in comparison to the current portfolio.



OPTIMIZED CO₂ FOOTPRINT

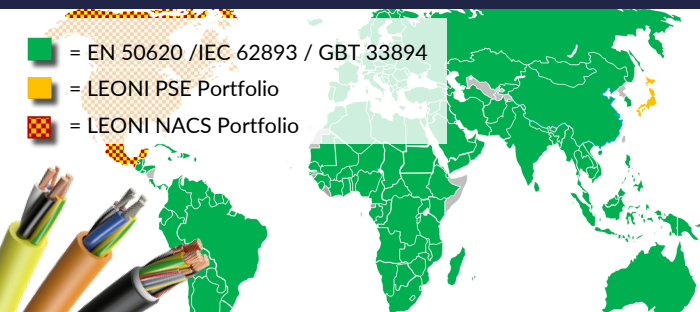
Our smarter design allows an increase in packing density of around 9 %. With lower logistical effort and material use, emissions are significantly reduced, the CO₂ footprint of the product is improved.



OPTIMIZED DESIGN TO COST

Due to the reduced cable diameter and the use of optimized materials, our LEONI EcoSense® Nxt and LEONI EcoSense® Nxt+ portfolio offers improved costs for our customers.

- = EN 50620 / IEC 62893 / GBT 33894
- = LEONI PSE Portfolio
- = LEONI NACS Portfolio



The next generation of AC-charging cables

LEONI EcoSense® Nxt
LEONI EcoSense® Nxt+

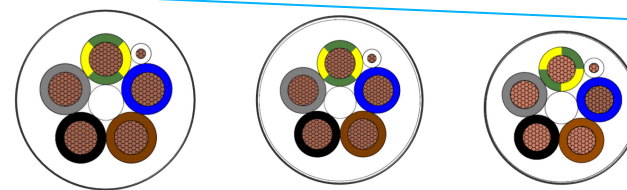
LEONI EcoSense® Nxt are optimized AC-charging cables designed to make handling more comfortable. This is achieved through a reduction of the diameter in median of 4 % which leads to an average weight of 6 %.

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 optimized cores.

POTENTIAL TARGET MARKETS: 167 COUNTRIES

	LEONI EcoSense® Nxt					LEONI EcoSense® Nxt+			
Number of cores x cross-section [mm²]	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	-4 % compared to the previous model					-9 % compared to previous model			
Copper improvement	same as the previous model					-25 % compared to previous model			
Cable weight	-6 % compared to the previous model					-20 % compared to previous model			
Design features	AC charging: Type 2 Mode 2 & 3. Optimized handling and space saving: average of 6 % (Nxt) / 20 % (Nxt+) less weight than conventional cables. Prevents the release of odors. Individual jacket color.								



previous model LEONI EcoSense® Nxt LEONI EcoSense® Nxt+