

Assembled charging connector

PURWIL HPC NACS 800 LCC

DC High-Power Charging cable with NACS connector for fast charging of electric vehicles using direct current (DC). The robust NACS charging connector, combined with the durable PUR (polyurethane) DC cable, provides an ideal solution for long-lasting and efficient performance under demanding outdoor conditions. Patented cooled cable construction and connection technology (US Patent 12,183, 487 B2)
Rated current (at 40 °C / 104 °F) : 800 A
Rated voltage : 1'000 V DC

2427_800



NACS Connector

- Charging standard : NACS
- IP Rating : IP67
- Proximity pilot resistant : 150 Ω
- Ambient temperature (operation) : -30 °C to +40 °C (-22 °F to +104 °F) (Higher ambient temperature possible with current reduction required, observe temperature limit at DC contacts of 90 °C / 194 °F)
- Temperature monitoring : 6x PT1000
- Insertion / withdrawal cycles : >10'000
- Contacts : replaceable
- Front face : replaceable

DC charging cable PURWIL HPC 800 LCC

- Possible cable length : Up to 10 m (32 ft 9.7 in)
- Execution : one end assembled with NACS charging plug
- Second end assembly : possible on request
- Cross-section : 2x 2 AWG + 1G2 AWG + [12x 18 AWG C]
- Cable weight : 1.80 kg/m (1.21 lb/ft)
- Outer diameter : 38.3 ± 0.4 mm (1.51 ± 0.02 in)
- Bending radius : 10 x D
- Temperature range : -40 °C to +90 °C (-40 °F to +194 °F)

Standards

In compliance to UL 2251:2022, SAE J3400,
IEC 62196-3 (Certification in process)
UL 2263:2022 (E530622)

Remarks

Current carrying capacity depends on the cooling unit, ambient conditions and cable length.

Charge Capacity

Ambient temperature (operation) °C	Ambient temperature (operation) °F	Current A	15 Min Boost A
40	104	800	

