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PRESS INFORMATION

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EMS high-performance polyamides for an innovative rapid charging system

The long glass-fibre Grivory GVL-4H V0 is used in a rapid charger plug from Huber+Suhner. The EMS-polymer provides the required performance for this challenging application.

The Swiss cable specialist, Huber+Suhner, relies on long-glass fibre technology (LFT) from EMS-GRIVORY for the main components in its RADOX® HPC high-power charging system. The extremely tough long-glass fibre reinforced and flame protected high performance grade Grivory GVL-4H V0 makes reliable use of this car charging station system possible in rough daily use.

Also part of the charging system is a liquid-cooled cable. Thanks to the active cooling process, this cable can have a significantly smaller diameter than the through-put performance would make you believe, and is therefore, easier to handle. The cooling lines in this cable are also made of an EMS material: Grilamid L.

Short charging times possible

The High Power Charging System, with up to 400 A and 1000 V, developed by Huber+Suhner allows particularly rapid and, therefore, user-friendly charging times which no longer differ greatly from a filling time with liquid fuel – even the batteries of larger electric vehicles can be charged up to 80 % in less than 15 minutes. Being used by global market leaders for electro-charging infrastructure, the RADOX® HPC High Power Charging System has found its way into the North American and European rapid charging networks. Thanks to its easy handling and short charging times it is helping to promote improved acceptance of electric vehicles with end users.

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RADOX® HPC rapid charger plug
from Huber+Suhner made of
Grivory GVL-4H V0.



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