



The new additional bolt set CU-FLEX.
Highest contact quality for flexible copper conductors.

Additional bolt set for mechanical GPH connectors and cable lugs for the use with flexible copper conductors class 5 (EN 60228) up to 300 mm².

Flexible copper conductors (class 5) gain more and more importance for industrial medium voltage applications. Due to fine-stranded conductor designs, the handling of compression connectors and cable lugs is difficult, mostly offering limited contact quality and fewer lifetimes of the connections. Up to now, mechanical connectors were mainly optimized for the most commonly used solid and stranded conductor designs in the grid (class 1 and 2). Electrical tests on flexible conductors result in a deviating performance from both of these types.

Nexans Power Accessories Germany has developed a new additional bolt set which simplifies the handling on flexible copper conductors. It produces the best electric contact quality by an adapted, patented screw system.

■ GPH ■



The facts make the difference.

Simple retrofit

The additional bolt set consists of a fully tin-plated contact sleeve and patented shear-off-head bolts which are used with standard connectors and cable lugs of the GPH M and C series. It supports the connection of flexible copper conductors for cross-sections of 6 mm² to 300 mm².

High installation quality

Standard bolts are substituted easily with new shear-off-head bolts of the exchange set. They allow the „one-tool-assembly“ with customary tools. The contact sleeve bundles up fine-stranded conductors. Centering rings corresponding to the conductor cross-section in use ensure a centric conductor position in the contact bore.

Electrical performance at its best

Two bolt systems in five galvanically tin-plated connector or cable lug body sizes with optimally shaped contact surfaces allow reliable connections and terminations of the highest lifetime, with minimum screw excess length.

Outstanding cross-section span
Range-taking mechanical connectors

are usable cross-section-covering. Customer specific connectors and cable lugs with pre-assembled FLEX shear-off-head bolts for individual cross-section areas are available on request.

Reliable and tested for safety

The additional bolt sets were successfully tested on selected, fine-stranded copper conductors class 5 in connectors of the GPH M series according to IEC 61238-1 class A.

One stop shop

From one source we offer for your medium voltage applications reliable and economic cable accessories and pre-assembled cables with components optimally harmonized.

Nexans Power Accessories Germany GmbH

Nexans Power Accessories Germany has been a leader in pre-assembled cable accessories for more than 55 years. The company is specialized in manufacturing of low, medium and high voltage accessories as well as mechanical connectors and cable lugs.