

# NEW DATA CENTER AS THE ENGINE OF A SECURE DIGITIZATION PROCESS

URM CABLING SOLUTION OF SACHSENKABEL INSTALLED IN THE  
NEW DATA CENTER OF NÜRNBERGER VERSICHERUNG

Digital change is in full swing also in the insurance sector. Applications, such as data backup, transmission of customer information, communication between branches and customers demand more and more bandwidth and capacities in data centers. These quickly become high-performance centers with maximum requirements for efficiency, safety and sustainability. A secure and future-proof data center infrastructure is the key to meeting these requirements.

#### Challenges

- Flexible, migratable cabling system
- Just-in-time installation due to little storage capacity

#### Key to success

- Manageable high packing density
- Complete contractor for cabling
- Close cooperation with the customer and all partners

#### Results

- Concentrated, smooth process
- Future-proof cabling system, complete with labeling and digital cable tracking



Headquarters of NÜRNBERGER VERSICHERUNG



Data storage racks equipped  
Wired data racks



## URM CABLING SOLUTION OF SACHSENKABEL INSTALLED IN THE NEW DATA CENTER OF NÜRNBERGER VERSICHERUNG

The insurance company NÜRNBERGER also faced this challenge. In order to maximize their future digital performance capabilities and increase security at the same time, the insurance company needed a new data center. The existing infrastructures were no longer able to meet the increasing volumes of data in the future. The official start of the project was preceded by a 5-year planning phase. After defining all mandatory requirements for the data center and the realization of necessary reconstruction work, the company LWL-Sachsenkabel GmbH was brought on board as a competent partner in the field of data center infrastructure. It quickly became clear that in addition to the highest performance and safety requirements for cabling, the focus of NÜRNBERGER Versicherung was on fast and uncomplicated migration to higher application levels. For the development of a highly flexible and sustainable infrastructure, the two multi-fiber connector systems MPO (Multipath-Push-On connector) and URM NG (yoU aRe Modular) were compared.

Due to the excellent loss properties, the high packing density and, above all, the cost-effective migration to up to 400 Gigabit Ethernet, NÜRNBERGER decided to use the URM NG system. Since Sachsenkabel acted as a general contractor for the cabling in this project, fiberoptic as well as copper cabling were parts of the service. Cat 8.2 data cables were used in order to realize 40 G with copper cabling in the future. In the combination of fiberoptic and copper cables, the Sachsenkabel-Hybridpanels proved to be of great advantage. Eight 8x URM K8 couplings and twelve RJ45 keystone modules can be installed on a 19" panel. This ensured further space savings.

In addition to the technical challenges, there were also some organisational hurdles to overcome. Due to a lack of storage capacities, all components, including the data cabinets, always had to be delivered just in time and installed immediately. This could be achieved without any problems with the help of the certified system partner ET Netzwerk- und Datentechnik GmbH, who was responsible for the installation of the cabling. The cooperation with Stengel GmbH was just as successful. The reliable delivery and installation of their cold-aisle containment racks was another advantage in the smooth handling of the project.



### Installed data racks

The data center was installed in cooperation

Thanks to the precise cooperation with all partners, LWL-Sachsenkabel GmbH was able to respond flexibly and quickly to customer requests during the installation phase and implement them. This also convinced the managers of NÜRNBERGER: "A key account manager like Mr. Borg, who regularly shows his presence on the construction site and takes care of all the challenges, is not a matter of course. Also in the back office, Mr. El Asri always stood by us in case of questions and problems and did an excellent job. We are looking forward to further projects with LWL-Sachsenkabel GmbH," sums up Hermann Seichter, head of IT-B Network Service.

With the flexible and user-friendly cabling system from Sachsenkabel, NÜRNBERGER is ideally prepared for future needs and can make many adjustments to the infrastructure with high flexibility.



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