

MICROPOL FIBEROPTIC AB

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PRESS RELEASE

Micropol Fiberoptic is pleased to announce the introduction of 40Gbit/s ability of the FALCON expanded beam connector. As far as known, the FALCON is the only expanded beam connector on the market that are approved to transfer 40Gbit/s over one channel.

The increasing demand for faster and more robust fiber optics for use in harsh environments are driven by the need for more data to be transferred over longer distances. As an example, coaxial communication has limited ability to transfer e.g. high resolution radar pictures over longer distances.

The FALCON expanded beam technology has previously been tested and approved by the Swedish Defence Material Administration and are in use by the Swedish Armed Forces since many years. Their testing confirmed the robustness of the optical performance during environmental stress. The test confirming the 40Gbit/s ability, was performed by Swedish defence global Saab Group in 2021 and approved that the FALCON expanded beam technology can transfer 40Gbit/s over each channel, independent of using single- or multimode fiber. The secret lies in Micropol Fiberoptic's unique lens geometry and alignment. The combination offered by FALCON is powerful – the robustness of the expanded beam technology, transferring large data volumes.

Please see attached white paper for additional information.

For more information, please contact Micropol Fiberoptic CEO Peter Ljungkvist at p.l@micropol.com or +46 (0)733 393 148.

About Micropol Fiberoptic AB

Micropol Fiberoptic is located outside Halmstad on the Swedish southwest coast and have been in business for more than 30 years. Our name "Micropol" is generated from "micro polishing" which is our mark – we polish fiber at a precision that few can copy. For this reason, our products have lower reflections and losses and can transfer higher data speed, without additional cost.

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Our customers are found in a large variety of markets where advanced fiber optic solutions are crucial. Our products are used in a whole range of technologies, from complex fiber optic networks for telecom and data communication, to advanced sensorsystems for industrial, medical and military applications. For the Defence & Security market, we offer optical cable systems and different types of expanded beam connectors, both single- and multimode.

More information is available at <https://micropol.com/en/>

