KLOTZ Fiber Optic with OM4 BI Multimode Fibre



The fibre is undoubtedly the most important component in fibre optic cables when high transmission rates and reliability are required. Particularly in mobile operation, it has to withstand extreme thermal and mechanical loads and also transmit large amounts of data without any problems. Cable specialist KLOTZ AIS now offers all items in its fibre optic product line with superior OM4 bend-insensitive fibre. The upgrade to the new fibre category affects all multimode fibre optic cables in the manufacturer's range and can already be ordered.

In direct comparison to the previous models, KLOTZ fibre optic cables with the new OM4 fibre benefit from drastically increased bandwidths in all application areas. The laser-optimised 50µm special fibres result in an effective modal bandwidth (EMB) of = 4700 MHz/km @850nm and thus now enable transmission rates of 10 Gb/s over up to 550 m.

Thanks to outstanding mechanical properties of the fibres, such as a wide temperature range (-55 °C to +85 °C) or the very low kink sensitivity and a very high transverse pressure resistance, extremely tight bending radii are also possible due to outstanding macro and micro bending performance values. This gives the KLOTZ FiberLink cables properties that are needed, among other things, to master demanding situations in tough mobile applications. Of course, the fibre optic cables can also be used in fixed installations or in studios.

KLOTZ fibre optic cables with the new OM4 core are "made in Germany", manufactured according to product specification IEC 60793-2-10 and in compliance

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with the Ehternet standard IEEE802.3. Of course, the latest KLOTZ fibre optic cables with OM4 fibre are downward compatible with older fibre categories (OM3, OM2).

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