LC EasyGrip - the fiber optic connector for outlets with restricted accessibility

Telegärtner’s LC duplex connector LC EasyGrip was specifically designed for outlets which are difficult to reach. The extra-long locking lever allows safe handling where other connectors can’t be handled reliably.

In many projects, space for Industrial Ethernet cables is very limited and accessibility is restricted. Adding links in existing plants and cabinets very often turns out to be a real challenge, but this is also valid for many new cabling projects. Space is costly in the industrial environment and so everything has to be as compact as possible. The fact that human fingers do not follow the trend of increasing miniaturization of electronic components makes it even worse!

Of course, there are special pliers available to handle fiber optic connectors in high-density patch panels, but what can you do when there is not enough room to use those extra-long pliers properly? Telegärtner’s LC EasyGrip solves this problem easily. Its extra-long locking lever can be safely handled even when space is reduced to a minimum. Even when the outlet is deeply buried in the tight opening of an industrial plant or a cabinet, the lever can be securely held and pressed.
Compact base stations in the mobile phone networks don’t offer much space either. Outlets in fiber to the antenna (FttA) solutions, where optical fibers are laid up to the antenna on the mast, impose a lot of restrictions and add special requirements for outdoor use.

The robust design and the housing made of durable plastic make the LC EasyGrip the first choice in harsh environments. It can easily be field-assembled even when working in a plant or on an antenna mast. The LC EasyGrip consists of only a few parts: the housing cover with the extra-long locking lever, the housing base, two LC connectors in the preferred version as well as a union nut that gets tightened at the end of the connector. The cable’s Kevlar fibers can be fastened with the nut as well for higher tensile loads. The LC EasyGrip is suitable for assembled cables with an outer diameter of up to 9.5 mm.

Thanks to the practical and simple design of the LC EasyGrip, you don’t have to be a specialist to assemble it. And there is no need for special tools either.

To protect the LC EasyGrip in harsh industrial or outdoor environments and to prevent ingress of moisture and dust, an optional TOC protective body can be added. The nickel-plated TOC brass housing is IP68 rated according to IEC 60529. It is just pushed over the fiber optic connection. Locking, sealing and strain-relieving are done with a simple plugging and turning. The TOC protective body is available for RJ45 as well as MPO and USB connections.

The LC EasyGrip can be field assembled just like common connectors. Should the connectors for any reason not be assembled and polished on-site, the fiber optic cables can be ordered pre-assembled by factory. By using the TICNET configurator, customized products can be assembled and requested round-the-clock via internet. Configurations can be saved and retrieved using a unique configuration number.