Smart Buildings

Diamond SA DiaLink™ for future-proof building wiring

Investing in future-proof optical fiber wiring makes good sense – the Diamond SA DiaLink™ concept makes this very easy and practical for every electrician.

Office buildings

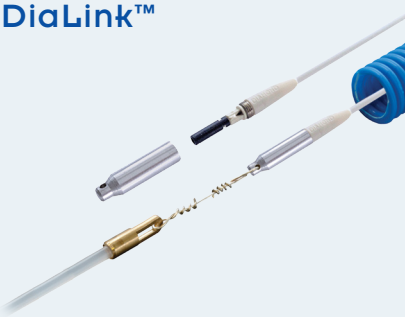
Hospitals

Industrial plants

In modern buildings - also called "Smart Buildings" - central systems are used to connect many decentralized units. More and more computers, electronic devices, sensors and actuators rely on a data interface. In general, these are standardized by an IP protocol and can be connected to one another, resulting in a complete and future-proof wiring system. One of the best mediums for this process is glass fiber, which provides no data volume restriction, stable connections and many further advantages, such as reliability and privacy.
Glass fiber was once known for being very costly, difficult to splice and very delicate to handle. Thanks to modern technologies and innovations this is no longer the case!
DiaLink™ makes it possible to pull a glass fiber link into a tube just as easy as a copper wire and no connector assembly is required! Systems and endpoints can be connected comfortably and safely. In addition, the use of glass fiber cables allows the customer to benefit from a future-proof medium with an unlimited transmission potential at an over all lower cost compared to copper cables.

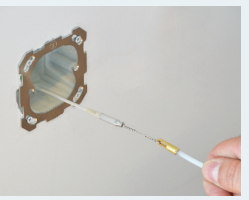
FEEDBACK: Experts, planners and installers who have already used this cabling system are very enthusiastic and highly recommend it!

DiaLink™

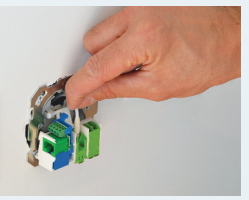


Advantages

- Communication systems that are easy to organize
- Improve installation time
- Future proof connectivity
- Minimal cable volume
- Negligible fire load
- Expandable to higher transfer rates up to Gbit's
- Low maintenance requirements



Pull in



Plug in

Ready to go

DIAMOND

Applications

Applications for the DiaLink™ can be found in modern buildings, hospitals or factories in need of renovation. The bi-directional DiaLink™ solution is also ideally suited for existing buildings under renovation, especially where the communication network needs to be renewed and there is not enough space for conventional copper cabling in the existing installation.
This system is an excellent solution for new buildings with modern technologies and integrated devices, lean structures and high flexibility requirements.
Of course, one can also replace or extend an existing communication network - the single-mode fiber used in these cases is universal and the SFP modules allow the use of routers, switches or media converters from a variety of manufacturers.

References

The DiaLink™ installation cables have already been used numerous times in a variety of installations. They can be used in FTTH expansion sets, as well as, for complete office and building cabling.

Product details

SFP Transceiver

- Bi-directional communication
- Interface F-3000 Simplex
- Gigabit transmission rate
- 2km transmission distance

DiaLink™ Installation cable

- PRe-assembled in different lengths
- Traction power until 30kg directly from connector
- DiaLink™ connector diameter with pulling eye 6mm
- Ferule protected from any contact
- Very robust glass fiber cable

Patchcords

- F-3000™ Patchcord with spring cap
- Ferule protected from any contact
- Very robust glass fiber cable

Sockets and Patch panel

- Adapter DiaLink – F-3000™
- Up to 4 FO lines per socket
- Up to 48 FO lines per 1U Patch panel

Why choose Diamond products? For more than 30 years, DIAMOND SA, based in Losone (Switzerland) has been a worldwide supplier of high precision glass fiber solutions within several industries. DIAMOND is also known as a dynamic and innovative company that produces reliable and customized components and devices to meet increasing customer demands.

Thanks to its simplicity, robustness and longevity, the DiaLink™ cabling systems set new standards in the field of communication cabling."

Pull in, plug in and go! It's that easy with the DiaLink™.

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