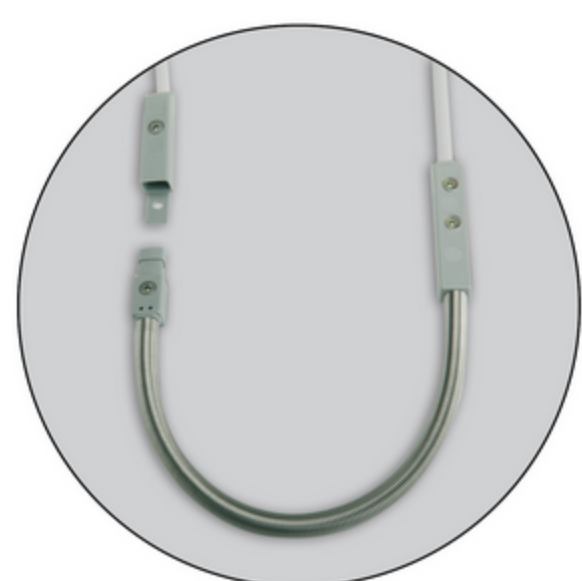


Dear LINK customers,

Clever solutions from LINK support innovative glass and façade technologies and contribute to increased safety for people and the environment. For example, the new miniature door loop M 13 45 enables glass panels to be supplied with 230 V of electricity. LINK Glass Connect (LGC) alarm glass cable links and plug connections provide the connection to multifunctional glass panels, while halogen-free cables help to save lives in an emergency.

**Perfect for transmitting 230 V:
the new miniature door loop M 13 45 from LINK**

The popular miniature door loops from LINK have a new member of the family: the **M 13 45**, enabling LINK to cater for further applications. Equipped with a 2-pin cable and plug-and-play connection system, the **M 13 45** is ideal for transmitting 230 V, for example, for supplying heated glass panels with electricity.



» [More information about the M 13 45](#)

Like its relatives, the **M 13 45** can be easily installed in the window or door profile thanks to its small size. It thus remains practically invisible and no milling is generally required. The cable connection can be separated easily via a connection system. The benefits of this are particularly noticeable when window sashes or door leaves need to be removed. Installing the door loop on the construction site is also simple. In the case of the **M 13 45**, the cable-carrying stainless steel spring is mounted in a U-shape.

The plug and socket are waterproof to IP 67. As is the case with all door loops from LINK, the cable can be custom-made if required. There is also a range of accessories available for the **M 13 45**, including cover plates for wooden and plastic/aluminium frames as well as carrier boxes for the springs.

The **M 13 45** will be available to order from July 2024.

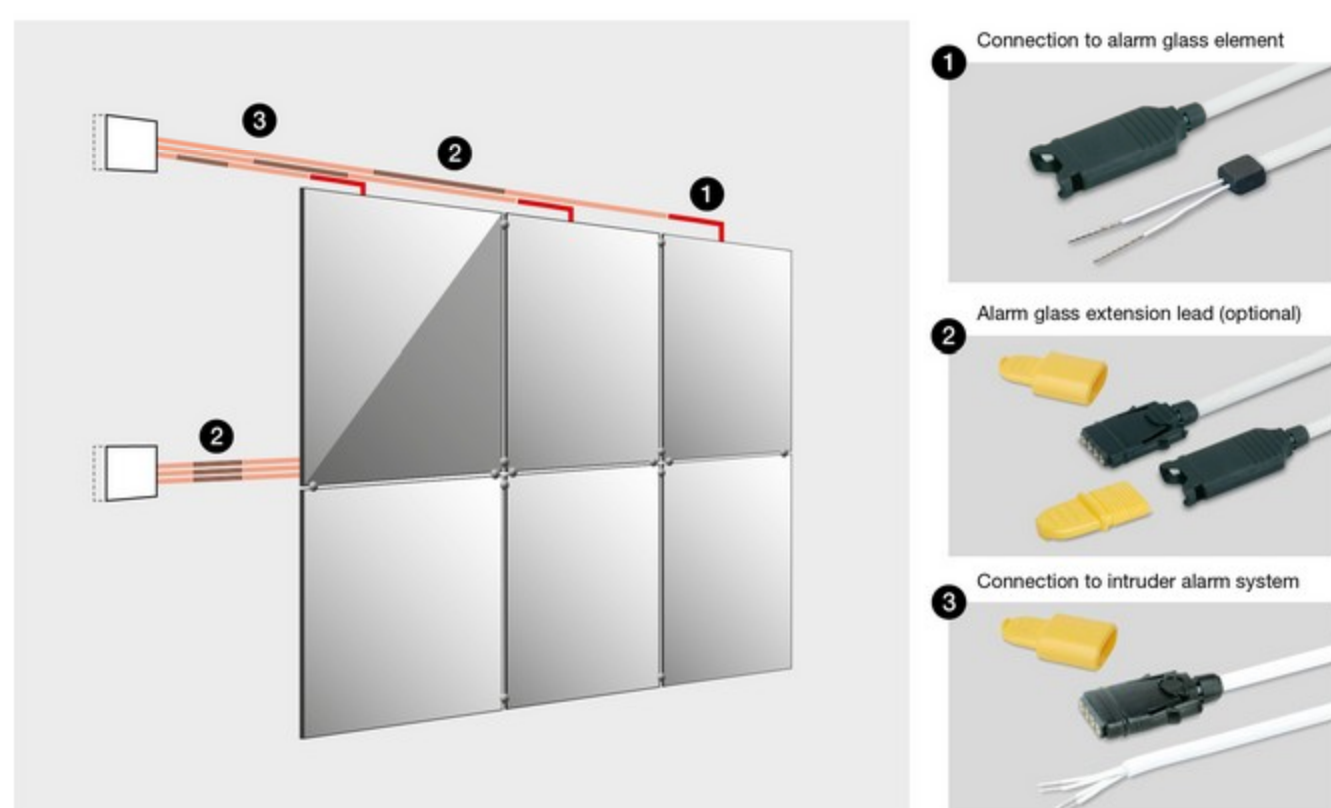
**LGC: the innovative solution
for multifunctional glass and facade technology**

Sophisticated architectural concepts increasingly require intelligent façade systems, which include multifunctional glass. Such façade systems control, for example, the permeability for air and energy flows, feature adjustable sun protection or sensory alarm functions. With special alarm glass cable links (M 13 70) and plug connections (M 13 90) from LINK (LGC = **LINK Glass Connect**), multifunctional glass panels can be very easily connected to the power supply and ensure data communication. The system-independent, universal LGC cables with a convenient connector system are suitable for applications such as multi-pane insulating glass with internal extractors, slats or foil, intelligent glass such as LC or LED glass, windows with smoke and heat extraction, photovoltaics and sensor technology.

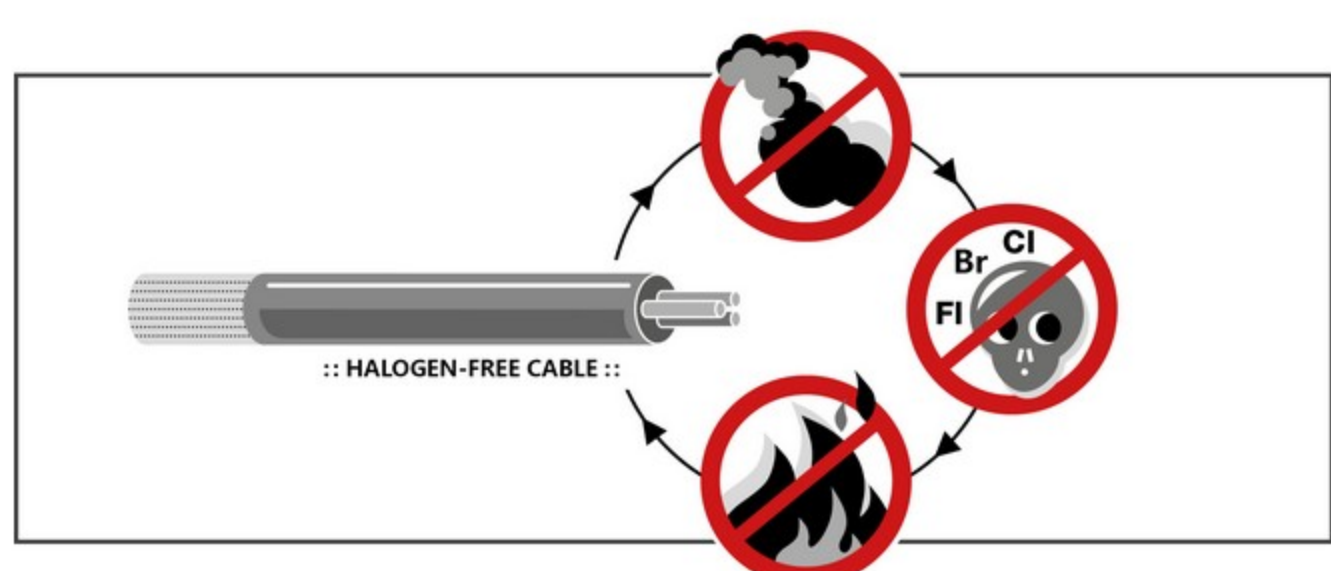
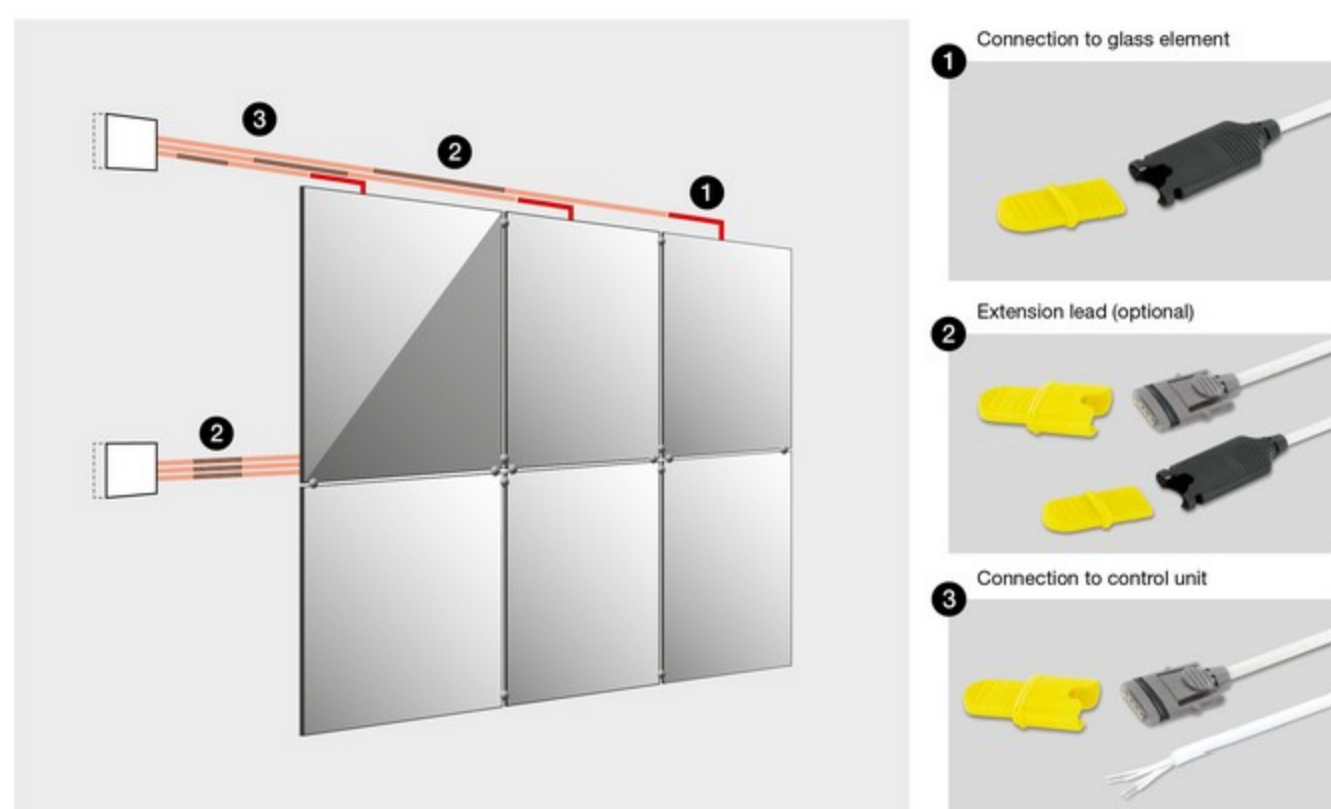
LGC cables are available for connecting to alarm glass elements as well as innovative glass technology, extension cables with 4-pin plug and socket elements and extension cables with open ends for connecting to distributors or control units.

The flexible round cable features a robust outer sheath for increased cable protection. The extremely flat plug-in connections can be installed inconspicuously in the window rebate. All components are highly impermeable to moisture and humidity (IP 67) and have a very long service life.

APPLICATION EXAMPLE ALARM GLASS M 13 70



APPLICATION EXAMPLE GLASS TECHNOLOGY M 13 90



Simply safe: halogen-free cables

Common cable insulation materials often contain halogens such as fluorine, chlorine or bromine. One such example is chloride in PVC cables. In the event of a fire, however, they pose a threat to life as they may produce heavy smoke and highly poisonous gases when exposed to significant heat. For sensitive buildings such as airports or hospitals, calls for construction tenders therefore require the use of halogen-free materials.

At the request of customers, LINK is able to supply almost all door loops and magnetic contacts with halogen-free cables. For the cable insulation, LINK uses a compound consisting of polypropylene and polyurethane (PP/PUR). The cables are flame-retardant – in the event of fire, they produce little smoke and practically no toxic gases that could pose a serious risk to people or damage buildings and equipment. These properties are particularly important for cables that are left exposed, such as door loops and magnetic contacts.

LINK also offers four to eight-core halogen-free door loops in its standard range. These include the series **type M 12 90**, **M 12 91**, **M 14 5x** to **M 14 9x** and the detachable miniature door loops **type M 13 34** and **type M 13 35**.

:: WE WISH YOU A WONDERFUL SUMMER ::

Best regards, Your LINK-Team



	Components for building automation and security		Certification according to European standards
	OEM/ODM-compliant development and production		Verified quality