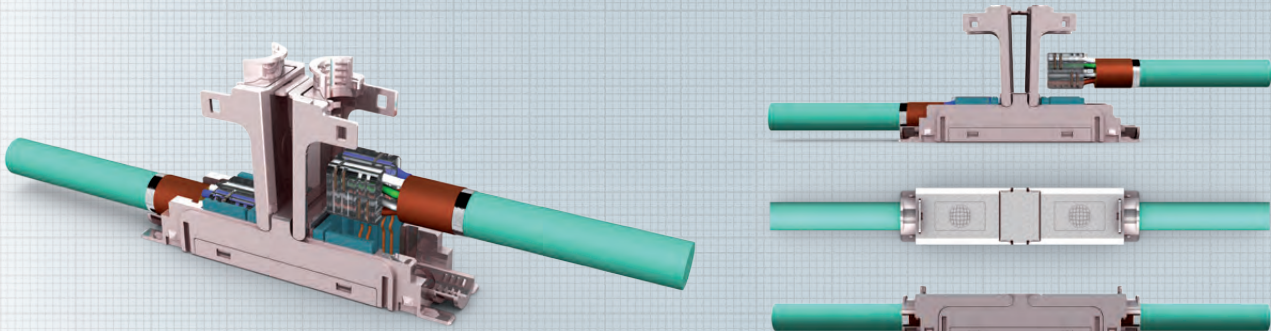


# preLink® Extender Cat. 6<sub>A</sub> ISO/IEC



The preLink® Extender enables cables to be extended with minimal effort, allows fire zones to be bridged or subscriber ports to be directly connected to the consolidation point without the need for intermediate patching. In addition, unused cables can be reactivated and extended to the next required connection. This results in optimal use of the tight space in the cable channel. The installer simply screws the extender onto the end of the installed cable in the channel or on the wall. The installer then inserts the preLink® terminal of the installed cable into one end of the extender and the terminal of the extension into the other end. Once the modules are snapped together, the extended cable can be used up to the maximum link length, even for 10 Gigabit Ethernet transmission, and supports PoE+ (Power over Ethernet). The preLink® light identification function L.E.O. (Light Emitting Outlet) works over the preLink® Extender. Packaging unit: 24 units per polybag

#### Standards:

IEEE 802.3; 10Base-T; 100Base-T; 1000Base-T; 1GBase-T; 10GBase-T; IEEE 802.5; 16 MB; ISDN; ATM; Telephone

#### Mechanical Properties:

Installation dimension	
Mating force	≤ 30 N
Mating cycles	≥ 100
Housing material	nickel-plated die-cast zinc
Insulation components material	PC aqua
Gold plating in contact area	30 μm
Contacting	AWG 27-22, depending on the terminal used
Cable diameter	5 – 9.5 mm
Installation	screwed connection
EMC	360° shielding

Electrical Values	Cat 6 <sub>A</sub> and Class E <sub>A</sub> for the extended link
Length	link length up to 90m
Link extension	No additional cable rotation needed

#### Environmental requirements:

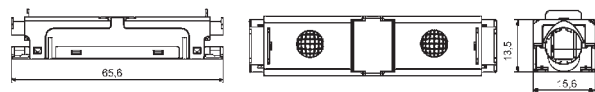
Connection class	IP 20
Temperature range	-40 °C ... +70 °C

#### Electrical properties:

Contact resistance	≤ 20 mΩ
Insulation resistance between contacts	500 MΩ
Dielectric withstanding voltage contact – contact	1000 V DC/AC peak
Dielectric withstanding voltage contact – screen	≥ 1500 V DC/AC peak
Current-carrying capacity at 50°C	1.25 A
PoE+ per IEEE 802.3at	PoE+

#### Transmission characteristics:

10 Gbit Cat. 6 <sub>A</sub>	Supported ISO/IEC 11801
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#### Description

preLink® Extender Cat. 6<sub>A</sub> ISO/IEC incl. 2 solid cable terminals for AWG 24-22

#### Ordering Code

CKEA0100