



ClickFit™

PRODUCTS

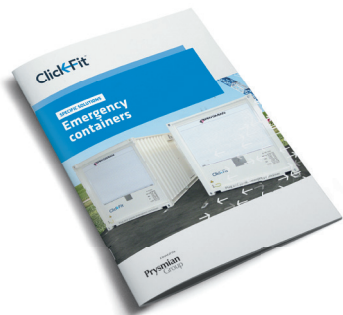
# Joints

CFJ Family

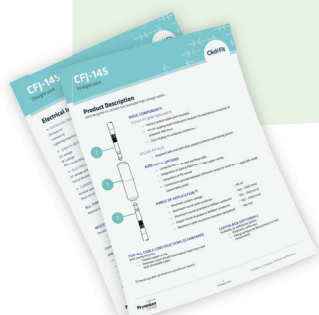
## Want to know more about this product?



→ Product Range



→ Solutions



→ Datasheets

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### Click-Fit

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## Linking HV Grids Worldwide

Within the network components group, we design, produce, distribute and install high and extra-high voltage cable systems. Our expertise in the system design field helps push the existing boundaries to come up with innovative solutions to secure reliable and sustainable supply of electricity for the development of communities.

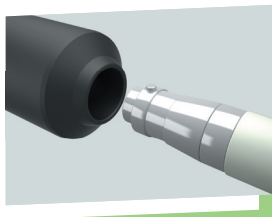
### The Click-Fit Concept

The unique Click-Fit principle is based on a simple plug & play philosophy that allows for time-efficiently connecting (extra) high voltage cables and systems. The worldwide proven Click-Fit locking mechanism prevents cable movement within

Within our headquarters in Delft, the Netherlands, we have in-house technical and logistical expertise to ensure excellent product quality and timely delivery. With the ability to meet our customers' expectations, we are able to offer tailor made solutions alongside advanced installation techniques for efficient and reliable cable networks.

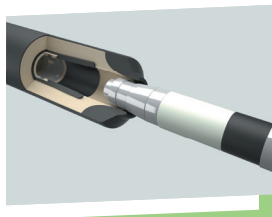
the stress control body caused by thermo-mechanical forces. Thereby ensuring a reliable and fail-safe connection during operation.

### The simple concept can be explained in three steps.



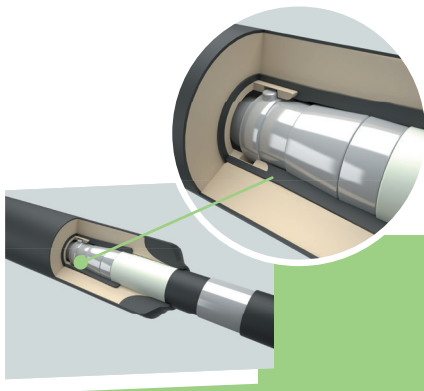
#### Step 1

Cable plug prepared with spring loaded locking pin.



#### Step 2

The cable end is inserted with the locking pin pressed down (after lubrication of insulation).



#### Step 3

The cable end is plugged into its final position with the locking pin extended. The cable is mechanically locked.

Joints → CFJ Family

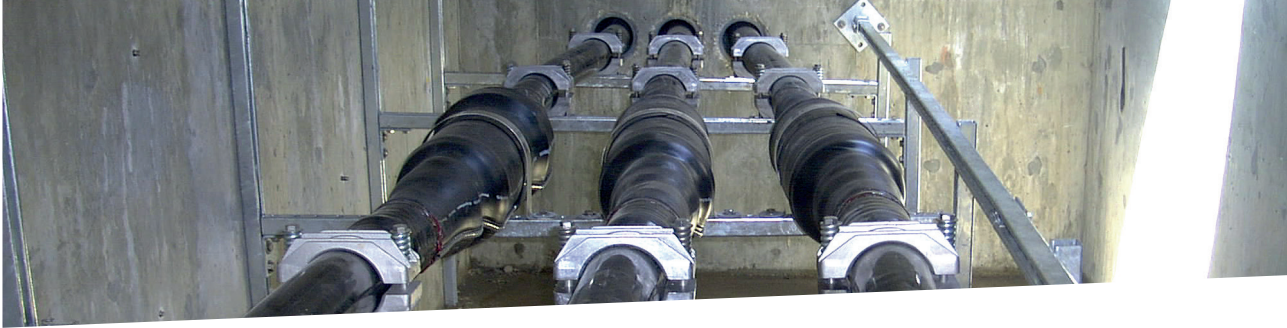


A brand of the  
**Prysmian**  
Group





Over 50,000 solutions  
sold worldwide.”



## Click-Fit Joints

Click-Fit joints can connect all combinations of cables with minimum effort and in less time than conventional joints. The pre-moulded, factory tested Click-Fit joints offer a fail-safe connection every time.









### Product Overview

Description	Code	Available for cable systems with maximum system voltage Um [kV]							
		72.5	123	145	170	245	300	420	550
Click-Fit® Joint	CFJ(X) - (Um)	✓	✓	✓	✓	✓	✓	✓	✓
Click-Fit® Asymmetrical Joint	CFJ(X) - (Um)-T	✓	✓	✓	✓	✓	✓	✓	✓
Click-Fit® Transition Joint - extruded to paper insulated*	CFTJ(X) - (Um)-P	✓	✓	✓	✓				

Click-Fit® Branch Joint	CFYJ(X)-(Um)	✓							
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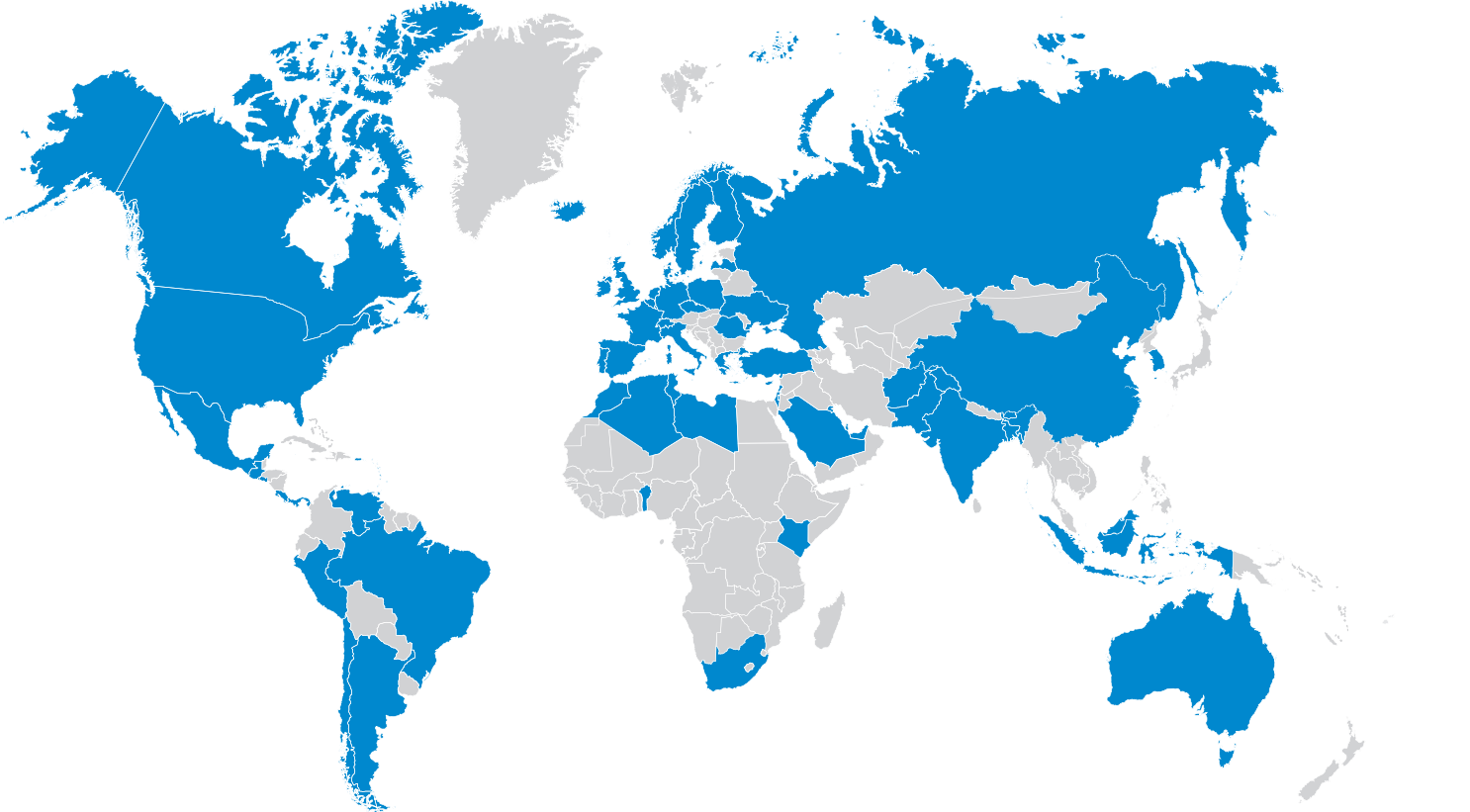
CFJ = unsectionalized joint  
CFJX = sectionalized joint (cross-bonding)  
P = the number of phases  
\* Available for Low, Medium and High Pressure Fluid Filled Systems

## Why choose Click-Fit?

	 Compatibility	 Installation	 Testing & Diagnostics*	 Reliability
 Engineering	System and Accessories Engineering – Tailor Made Solutions	Support in calculation of cable system design specifications	Extensive testing methods, compared to international standards	Pry-Cam partial discharge monitoring system
 Purchasing	Complete product portfolio, compatible across all cable manufacturers	Pre-connectorized cable ends reduce on-site installation costs up to €1,000 per joint pit	Full compliance with international specifications and standards	Proven track record, in low and high temperature environments: ~10,000 products installed in Russia, ~2,000 products installed in ME
 Project Management	Project driven organisation, offering training, tools, QSHE advice, installation resources and turn-key project management	Pre-connectorized cable ends reduce installation time up to 15% per joint pit	In-house knowledge: HV research lab and on-site testing facilities	24/7 Engineering and installation support
 Asset Management	Modular design ensures compatibility, independent of cable system specifications	Cross-usability across the Click-Fit product range and voltage levels reduces the costs of your base tool set by 67%	Maintenance experience and on-site diagnostics	Supply of spare parts & 24/7 logistics support

## Our partners all over the world

Siemens | TenneT | Réseau de Transport d'Électricité (RTE) | Red Eléctrica de España (REE) | Infratek | Vattenfall | Alstom  
Scottish Power | Stedin | Liandon | National Grid | Asea Brown Boveri (ABB) | Petrofac | Commonwealth Edison (ComEd)  
| Potomac Electric Power Company (PEPCO) | Consolidated Edison (ConEd) | Estralin Power Systems | Taihan Electric Wire |  
Abu Dhabi Transmission & Despatch Company (Transco) | Dubai Electricity and Water Authority (Dewa) and many others



### Product Features

- Asymmetrical designs available
- Installation possible in confined spaces
- Fully submersible in water
- Screen interruption for cross bonding system

Joints → CFJ Family

\* For further information about diagnostics and monitoring services have a look at our service brochure.



Joints → CFJ Family

