

**Eco-friendly, efficient and powerful:**

Welcome to **f2c**,  
the world's most modern cable factory.





#### **Our philosophy:**

## Realising visions and shaping the future

In every aspect of our operations and in our dealings with the customer the guiding principle which we never lose sight of is **f2c – flow2customer**. Our new factory, which is aligned with the requirements of our customers down to the last detail, corresponds exactly to this philosophy. It is therefore a logical consequence that this is also reflected in its name: **f2c!**

#### **f2c stands for consistent focus on the needs of the customer.**

**Innovation:** new technology based on high investment in research and development.

**Speed:** process optimisation and optimised workflows enabled by new machinery (60% at **f2c**) combined with shorter waiting times and delivery times.

**Environmental:** 80% savings on heating costs and annual reductions in CO<sub>2</sub> emissions of 2.700 t - in the interests of the environment and conserving natural resources.

**Performance:** high performance with punctual delivery thanks to efficient logistics systems – the best example: our own harbour dock for pontoon vessels.

**Experience:** tried-and-tested expertise with worldwide technological pioneering achievements for more than 130 years.

**Trust & Know-how:** the basis for our customer relationships.

**Team Spirit:** a highly motivated and committed workforce acting with personal initiative in the interests of our customers.

**Solutions:** customer-specific product solutions offered on the basis of the customer's project and backed up by flexible implementation.

**Our benchmark for the future:**  
**f2c** in Cologne

Our new **f2c** facility in Cologne features the sustainable use of natural resources. With its innovative technology it offers the customer products which will stand the test of the future and deliver major benefits in terms of efficiency.

Looking to the future and fully focused on the customer – that's **nkt cables**. As a full-solutions provider we develop, produce and market cable systems for efficient energy transmission.

Like all of our factories **f2c** in Cologne is among the world's most modern flexible and efficient production locations.

**f2c** key facts:

- Overall area: approx. 84,000 m<sup>2</sup>
- Factory space: approx. 50,000 m<sup>2</sup>
- Workforce: more than 600



**Our f2c factory in Cologne, Germany:**

**Where the cables of tomorrow are produced**

**Outstandingly versatile:**

- Medium and high voltage cables (10 kV to 550 kV)
- Infield and export submarine cables
- Our own fibre optic products for cables and OPGW/OPPC
- Superconducting cables
- High voltage cable accessories up to 550 kV
- OPGW and OPPC accessories
- Grid monitoring systems

### Our basis:

## Pioneering equipment and concepts

Cutting-edge machinery, product specific production process and efficient logistics concepts – with these facilities our new **f2c** factory sets new standards in all areas.

### Totally impressive:

- High-speed CCV line for cables up to 550 kV and 3,200 mm<sup>2</sup>
- Extra large conductors (up to 3,200 mm<sup>2</sup>)
- Conductor production up to 180 t in a single length
- With the option of stranding 3 x 600 t submarine cables vertically
- With the option of producing and shipping long submarine cables up to 2,000 t
- Stranding without joints up to 20 km
- Special fully-regulated degassing cabins for medium voltage cables
- Our own test facility for medium voltage and high voltage cables
- 2,000 t turntable
- New transport and storage concept for reels
- Air-cushion stackers up to 60t
- Automatic stock issue
- Our own harbour dock and pontoon transport vessel



### Our commitment:

## Setting and achieving high targets

When it comes to both cutting-edge technology and environmental-friendliness **f2c** is years ahead of its time. In addition to high energy savings and reduced CO<sub>2</sub> consumption also contribute to the short transport distances.

### Benchmark sustainability:

- 80% lower heating costs
- Reduction in CO<sub>2</sub> pollution of 2,700 t/year
- Closeness to the Rhine means short transport distances
- High avoidance of waste



**Our promise to the customer:**

**We're always there for you!**

As an efficient full-solutions provider **nkt cables** operates worldwide on your behalf, getting the job done reliable and with commitment. Working closely with you day by day, hand in hand with enthusiasm.

Visit us on the internet. You'll find all our locations there. Worldwide.

**nkt cables GmbH**

Schanzenstrasse 6-20

51063 Cologne

Germany

Fon: +49 221 676 0

Fax: +49 221 676 2646

E-mail: [infoservice@nktcables.com](mailto:infoservice@nktcables.com)

[www.nktcables.com](http://www.nktcables.com)

---

From December 2010:

**nkt cables GmbH**

Düsseldorfer Strasse 400

Tor 11

51061 Cologne

Germany

Fon: +49 221 676 0

Fax: +49 221 676 2646

E-mail: [infoservice@nktcables.com](mailto:infoservice@nktcables.com)

[www.nktcables.com](http://www.nktcables.com)