NEWSLETTER

CORNING

Corning
Cabelcon

1st Quarter
2011

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CAI trade Fair
Epsom Downs Racecourse,
Epsom Downs, Surrey, KT18 5LQ
2nd - 3rd March 2011

CSTB 2011
Moscow, Russia
1st - 3rd February 2011

In addition to these exhibitions, Cabelcon's products can be found on many other exhibitions around the world - represented by our local distributors and dealers.

Frontpage: Part of Cabelcon's new OKUMA TWIN STAR machine for production of tools.

CABELCON connectors

Corning Cabelcon expands - new building, machines and more people

Three of our new STAR machines

At Cabelcon we experience growing demands for our quality products from operators all over the world. The result of this has been a significant increase in order intakes. Therefore we are now are in the process of expanding our production capacity and activities. At Cabelcon's headquarters in Vordingborg, Denmark we are in full swing with the construction of a new building – approx. 1000 m2 to be used mainly as a warehouse facility and for preparing shipments to our customers. There is also potential for increasing office space the first floor of the building. We expect the building to be ready by spring 2011.

To proceed with our growth we have hired a number of new colleagues for our international sales departments who will be presented in the next Cabelcon News, and who you will be able to meet at the next ANGA Cable show in Cologne early May. Several new people in the factory have also been hired for managing production and quality departments and R&D engineers and machinists for our production are also joining shortly. Corning Cabelcon is also working closely with our colleagues at Corning Gilbert in the USA, when it comes too R&D, production and sales.

But - new buildings and more people will not do it alone. We have invested heavily in new advanced CNC machines and other new production technology, all in order to increase our capacity and to cope with the growing demands for our high quality products. The first five machines are already installed. The four STAR machines operate at fairly high speed and can produce a wide range of components and sizes. The OKUMA is to be used for production of our preparation tools – such as our DualStrip™ and coring tools. More new machines will be added in the near future.

A brand new STAR SR-20R II for fast production of semi parts

Product News

Cabelcon enters the Optical Fiber business

We are pleased to announce that Cabelcon is now supplying optical fiber products manufactured by Corning Cable Systems to the CATV and SMATV businesses in EMEA.

Its well-know in the business that Corning is a leading manufacturer of optical products for FTTH projects worldwide and that the products are of the highest quality available in the market. Many of the optical products have patented features both for their performance and for easy, reliable and practical installation. Corning's prefabricated fiber solutions are a reliable and fast way to FTTH deployment

To begin with we are introducing the unique OptiSnap® connectors. However, we are ready to receive orders or enquiries for any of the standard FTTH products manufactured by Corning Cable Systems. From our web-site at www.cabelcon.dk you will find a link to a presentation of some of the products offered. Please call our customer service with your inquiries.

Cabelcon presents the Corning OptiSnap® connector

OptiSnap® is the most cost-effective field termination method available. With proven field-installable connector technology, fiber terminations using the OptiSnap® Connector system are fast, easy and reliable.

The Corning Cable Systems high-precision mechanical splice technology enables fiber optic networks to be installed quickly and cost effectively. The Corning Cable Systems go/no-go feedback signal allows the installer to verify that the installation is performed right the first time, every time!

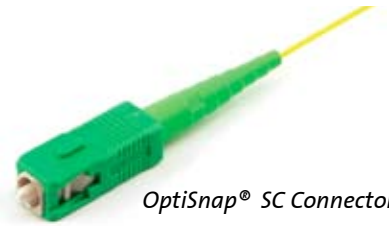
Insert the fiber, activate the cam and watch the pass/fail light illuminate, instilling confidence in every connector installed. The factory-polished ceramic ferrule provides superior quality for end-face geometry.

The single-mode OptiSnap® Connector is available in an ultra physical contact (UPC) polish or an angled physical contact (APC) polish (SC only), offering you a higher grade of performance for your field terminations.

With fast installation time and low insertion loss, the OptiSnap® Connector system provides a good alternative to fusion splicing. Installation is as easy as strip, clean, cleave, cam and crimp!

No-epoxy/no-polish or other consumables required	Quick and easy installation, less than one minute per connector on average
100 percent factory tested for insertion loss	Typical insertion loss of 0.2 dB for UPC and 0.4 dB for APC connectors
Factory-polished end face	Low insertion loss and high-performance return loss
Reliable, proven mechanical splice technology	Over 40 million connectors deployed in various applications
No need for electrical power for ovens or lights	Reduces complexity

OptiSnap® SC, APC, LC compatible Single-Mode Field Installable Connectors



OptiSnap® SC Connector

OptiSnap® Connector Tool Kit

- OptiSnap® Connector tool kit is designed for virtually no set-up or tear down time, allowing installers to get in and out of installation sites quickly
- Fast termination, high installation yields and no consumables means low installation cost
- Go/no-go feedback technology gives immediate indication of successful termination
- No epoxy, no polish consumables required
- No need for electrical power for ovens or UV-lights

OptiSnap® Installation Tool

Angled Cleaver (FBC-014)

Visit our website at www.cabelcon.dk and get much more detailed information on the OptiSnap® including links to presentation and installation videos.

Article

Upcoming UHF band plan require enhanced network screening

While screening always has been an issue in cable networks – it seems that this will become even more important in the time to come. Many countries in Europe have already switched off the old analogue TV transmitters and replaced them with Digital DVB-T transmissions. As digital transmission means much better efficiency in use of the frequency band, WRC07 (World Radio Conference 2007) suggested to allocate a part of the TV UHF band for future mobile services. It concerns the UHF channels from 61 to 69 – or the frequencies above 790 MHz.

Mobile communications is a fast growing industry. The need for international frequencies to be used for cross borders 4G mobile traffic and data communication is consequently growing too. EU is working to implement the WARC07 proposal as a new common European standard so that future devices for that band can be used all over Europe without any modifications. As a result the equipment producers can make simpler and therefore also cheaper equipment.

Serious risk of interference

Unfortunately the coexistence of mobile communication and TV in the same frequency bands is a bad cocktail. Many CATV networks – and all TV sets - are designed for reception of UHF frequencies up to 862 MHz. After the TV transmissions are ceased above 790 MHz, the cable networks and the TV receivers will still be operating in this band with active components. It means that there is a serious risk of overdriven CATV amplifiers or TV tuners from nearby 4G mobile units causing TV reception problems. Therefore all network components and especially cables, connectors, fly leads and joints must be of the best screening quality, which is a minimum Class A or preferably better.

Cabelcon is ready

Cabelcon have been prepared for years for these potential screening issues. Already in beginning of the last decade Cabelcon further developed the Comet system to be used also for test and measurement of screening and transfer impedance on connectors and jumper cables – in cooperation with Bedea. Cabelcon's set-up is the most reliable and accurate test system available for screening and transfer impedance measurements.

Since then all types of Cabelcon connectors have been tested in our Comet system to ensure the best possible screening performance to fulfil our customer's expectations. A presentation of some new products with screening capabilities to stand up against the "mobile intrusion" can be found elsewhere in this newsletter.

The CX3 SpringConnect™ used for modems and wall outlets

The CX3 SpringConnect™ - waterproof with Cabelcon's additional rubber Sealing

Ordering Information

F SC-59-CX3 3.9 SHORT 99909523

Please contact our customer service for item numbers on SpringConnect™ fly leads.

New CX3 SpringConnect™ F-connector with superb Class A++ screening

We are proud to present a new CX3 SpringConnect™ connector with excellent specifications on all parameters. Most ordinary push-on connectors have poor screening capabilities and can be easily pulled off the F port. Consequently there is a serious risk of unintentional disconnection - completely or partial – resulting in egress/ingress problems. The same occurs when standard F connectors with O rings positioned behind the F nut if they are not tightened securely.

The new CX3 SpringConnect™ is different! The typical pull off value from the F port on a modem/set top box is more than 3 kg. The continuity is perfect until it is pulled off completely. On top of that, the screening efficiency is better than a 100 dB – exceeding Class A++ (30 MHz - 3GHz)!

You would expect that screening leakage will occur when the CX3 SpringConnect™ is half or more pulled off the F port, but this is not the case ! The new CX3 SpringConnect™ remains RF-tight until it comes off.

Usually it is recommended to use F Push-On connectors for test purposes and not for regular installations. The new SpringConnect™ is different. It can be used for regular CATV installations, modem cables, satellite switch installations etc. without any mechanical or electrical problems.

But there are more advantages with this unique F compression connector. The cable pull off value is better than cable specs. In case of an unwanted hard pull on the cable – more than 3.5 kg - the connector jumps out of the wall outlet or modem instead of damaging cable or equipment - another safety benefit from Cabelcon.

The CX3 SpringConnect™ was developed on request from leading European operators and is already approved by one of the largest cable operators in Europe. Now it's also part of our standard programme. It has been developed specifically for RG 59 cable – Cabelcon size 3.9.

CX3 SpringConnect™ can also be supplied as ready made fly leads.

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CABELCON connectors

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