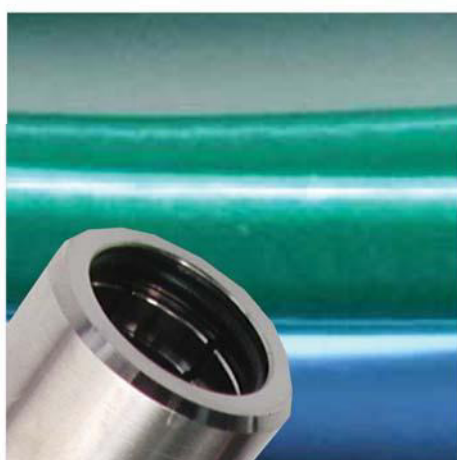


# Jump to CXJ™



Corning  
Cabelcon

CXJ™  
Jumper Cables



# Corning Cabelcon

Since its establishment in 1983 Cabelcon has succeeded in becoming the most well-known manufacturer of connectors in Europe with a reputation as being a competent and reliable supplier of high quality products.

Customer solutions, innovation, flexibility, responsiveness, reliable products and delivery on-time are some of the keywords. We can include smart but practical designs and leading technology. These are some of the ingredients that have enabled us to become the largest manufacturer of CATV connectors in Europe.

But we intend to go further. Development in customer service is an ongoing process and outstanding customer satisfaction is not just words in a catalogue. It is a part of our basic philosophy and our approach to do business.



CXJ™

Secure -  
No installation  
errors in the field



## Quality from the Start

All jumper cables from Corning Cabelcon are manufactured with quality components. Our quality requirements and inspections start a long time before the production of the jumpers.

All cables used are manufactured by leading European cable manufacturers according to Cabelcon's specifications and strict requirements. Even so, Cabelcon's test department checks intensively the quality of each batch of cable before it is released for production. We are checking the screening capability, transfer impedance, cable impedance and all the dimensions on the cable.

Also inner and outer conductor resistance and other mechanical specifications such as pull strength on dielectric and jacket are measured. Only if all these tests are passed - the cable can be used for a Cabelcon CXJ jumper.



### Rudolf Troller, Erivision AG:

*Erivision AG already recognized in the early 90's the importance of having the right connections in the cable business. With Cabelcon we found a partner, who reacts and deals with flexibility and fast response to customers' requests. We especially like that Cabelcon always try to improve and further develop their products.*

*This need became clear, when the networks were re-constructed to operate with return path applications.*

*The company Cabelcon has helped the Swiss cable networks to what they are today – namely highly reliable Triple Play Networks.*

*Without the energetic support by Cabelcon the problems in the Networks with a large number of connections would not have been managed.*

# CXJ Jumper Cables

By avoiding the use of angle adapters, return loss and insertion loss characteristics are greatly enhanced. The ready-made jumper cables are 100 % factory tested and perform to the highest standard as assembly errors are avoided. All CXJ™ jumper cables are watertight and most types are flame retardant and non-corrosive.

Also economical savings are evident as the timesavings mean reduced labour costs and faster network installation. Maintenance costs and downtime are reduced, as the connectors never have to be removed from the cable.

Through the use of Corning Cabelcon's ready made jumper cables you will save valuable time on mounting operations.

CXJ™

Ready for Use



RoHS  
COMPLIANT



## Climatic Performance

We want CXJ™ to survive and perform under all climatic conditions from day to night, from summer to winter, from the desert to the Arctic.

That is why we generate our own climatic changes in our test chamber. We want to analyze the CXJ's under all climatic conditions. From  $-40$  to  $+70^{\circ}\text{C}$  (cable limits) and back again in 2 hour cycles with switch-overs in less than half an hour. This is repeated with five cycles at each extreme temperature within 24 hours.

After this "killer-test" we test all mechanical and electrical specifications again – not least the IMD performance.

If our jumper cables can withstand that – and still perform as planned – they will stand almost anything. And CXJ™ can!

*Test of corrosion resistance in our salt spray chamber is also a part of our standard tests*



# CXJ™ Jumpers for Headend Applications



Cabelcon can supply jumpers for RF, IF and video interconnections in headend stations. Customer specified versions can be made in various lengths and colours with F or BNC connectors.



Cabelcon's CXJ™ jumper cables are made with CXJ6 low-loss FRNC flame retardant cables manufactured by leading European manufacturers.



OEM versions are also available. Customer labelling can be made depending on quantities.

**CABELCON**  
connectors

*Headend with Cabelcon CX3 jumpers  
Example from  
Blankom Antennentechnik GmbH*

**CXJ™**

Minimized  
service  
down-time

## Typical specifications (CXJ6)

- Screening Efficiency Class A++
- Transfer Impedance Class A+
- Return loss -33 dB @ 30 – 862 MHz.
- 3<sup>rd</sup> order IMD (2x100 mW) -135 dBc (IM3) / +87 dBm (IP3-value)

Specific datasheets are available on each type.



## CXJ™ 6/59 radio/TV

Cabelcon's radio-tv cables are intended for in-house radio and tv distribution.

They can be supplied in various standard lengths and in combinations with straight or 90° angle IEC male and female interfaces. Please consult our electronic catalogue on [www.cabelcon.dk](http://www.cabelcon.dk) for information on standard sizes and combinations.



*Straight or 90° angle IEC  
male and female interfaces*

# CXJ™ 6/59 Modem Cables



Cabelcon's flexible CXJ59PVC modem cables are made for high speed data transmission and primarily intended for in-house connections between cable modems and data outlets. CXJ6 versions are also available. Standard lengths are 1.5 and 3 meters – but can be ordered in other lengths.

**CABELCON**  
connectors

CXJ™

Cost savings on  
installation &  
labour time

## Typical specifications (FM-CXJ59PVC-FM/UE/W/3.0)

- Screening and transfer impedance – Class A
- DOCSIS 3.0 Compatible
- Return loss > -32 dB @ 0.3-1000 MHz
- IM3 -155 dBc (IP3 value +97 dBm)

Specific data sheets are available on each type

# CXJ™ 6/59 Jumpers for various applications



These jumper cables are mostly used in trunk and distribution networks. They are made for high speed data transfer and are available in many interface combinations and lengths, – for in- and outdoor use.

Please consult our internet catalogue for more information on our standard items and sizes. Customer specified versions can be supplied on request.

## Typical specifications (FM-CXJ6-FM/CX3)

- Screening Class A
- DOCSIS 3.0 compatible
- Frequency range 0.3 – 3000 MHz
- Attenuation -0.3 dB @ 0.3 – 1000 MHz
- Return Loss -30 dB @ 0.3 – 1000 MHz
- Sealing IPX8 (30 meter water / 8 hours)
- Transfer impedance according to EN-50117-2-4
- Fire propagation test according to IEC 60332-1

Specific datasheets are available on each type.





# CXJ™ Trunk Jumpers

The CXJ jumper cables are designed for Triple Play Applications and are available in many interface combinations and lengths - all made with 10 mm Low Loss PE FRNC cable. CXJ jumpers are ready to be installed in street cabinets ensuring flexible and service-friendly connections to amplifiers and trunk splitters.

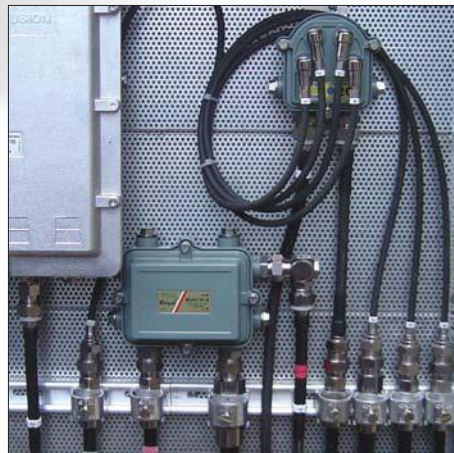
Most Corning Cabelcon jumper cables exceed all requirements in EN 50117-2-4, Class A.

*CXJ jumpers are also available for “down-sizing” from large trunk cables to flexible connections in the cabinets (“JP” types)*

**Corning Cabelcon CXJ™ trunk jumper cables** are optimised for Triple Play applications and are used extensively in European and US Triple Play networks.

Both electrical and mechanical specifications are at the highest level. CXJ jumper cables are developed, manufactured and tested for best IMD performance throughout their lifetime.

*Cabinet photos kindly supplied by Cablecom Engineering AG, Switzerland*



CXJ™

Flexible connections to amplifiers



**Tero Jousi, CEO, Scansatec Oy :**

*“ We are buying Corning Cabelcon Jumpers for several good reasons:*

*The quality of the whole network is much better because of the use of flexible cables between amplifiers and the large trunk cables. At the same time it saves a significant amount of installation costs making installation faster and more customized.*

*On top of that we should not forget how service-friendly jumper cables are when it comes to change of faulty amplifiers.*

*Most of the end-users are Telecom and Cable companies like Vasan Läänin Puhelin, Welho, Elisa Satakunnan Puhelin and others. We use Cabelcon for more reasons:*

*Very high products quality, very wide selection of different types and last but not least Cabelcon’s customer service and delivery security are on a very high level too. For us it means lower costs and less stress.”*



# CXJ™ Trunk Jumpers

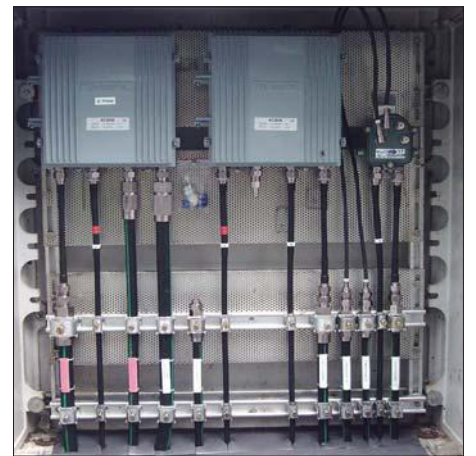


## Typical specifications (3.5/12M-CXJ11-3.5/12M/0.8)

- Screening Class A
- DOCSIS 3.0 compatible
- Frequency range 0.3 – 3000 MHz
- Attenuation -0.17 dB @ 0,3 – 1000 MHz
- Return Loss -22.5 dB @ 0.3 – 1000 MHz
- Amp Rating (@ 10° C increase) 13 Amp.
- Sealing IPX8 (30 meter water / 8 hours)
- Transfer impedance according to EN-50117-2-4
- Fire propagation test according to IEC 60332-1
- Specific datasheets are available on each type.
- CXJ11 - low loss CATV-FRNC PE cable

Please consult our internet catalogue for more information on our standard items and sizes.

Customer specified versions can be supplied on request.



**Herman Sanders,  
Productmanager KTV  
Hemmink B.V.  
Zwolle, Netherlands:**

*"We at Hemmink have been supplying the Dutch cable television market with Corning Cabelcon hardline jumpers for over 20 years.*

*Their excellent electrical and mechanical specifications have provided long term network reliability to major operators such as Casema, Essent and UPC NL.*

*The "JP" Cabelcon jumper is the product our customers always prefer. Network operators today have to take great care on the screening efficiency and inter-modulation of both hardline and drop jumpers to ensure optimum service to their customers ...*

*- this is why we stick to Cabelcon."*

## TripleGrip™ Compression Connector

CXJ trunk jumpers are mounted with brand new designed TripleGrip™ compression connectors\* – holding on inner-conductor, outer-conductor and the jacket.

The front part of these connectors contains the features from our CX4 technology such as the patented inner conductor construction – ensuring excellent IMD values.

\* Only for factory installation.



## Double Sealing

A watertight compression body with additional shrink sleeve makes CXJ's double-sealed against moisture intrusion.

# Custom Design

## Available Types

Corning Cabelcon's jumper cables are available with all interfaces, with more types of cables, in all lengths and can be customer labelled on request. Also OEM types based on customers' specifications and requirements can be supplied.

Please contact our distributors or sales departments for more information on Corning Cabelcon's customer specified jumper assemblies.



## Find your types

Please consult our internet catalogue for more information on our standard types and sizes and item numbers.

Our distributors or sales departments are ready to answer any questions you may have about customer specified jumper assemblies or any other product from Corning Cabelcon.

## Packing and Protection

CXJ jumper cables can be individually packed in sealed plastic bags for the finest protection against moisture, dust and dirt before use.

All 5/8 and PG11 pin connectors are protected against transportation damage with plastic caps.



## Typical Designation

- JP12:** Splice reducer jumper for cable type 12
- /UE :** UltraEase compression
- /CX3 :** CX3 compression
- /UNIV:** Crimp connector
- /W:** White, / B: Black
- 90:** 90°

Angle	Inter- face	Cable type	Inter- face	Connec- tor type	Cable colour	Cable length (metre)
	JP12	CXJ11	IEC14M	-	-	/0.7
	FM	CXJ6PVC	FM	/UE	/W	/0.3
	FM	CXJ6	3.5/12M	-	/B	/0.6
	3.5/12M	CXJ11	3.5/12M	-	-	/0.2
90	IECM	CXJ59	IECF	/UNIV	/W	/0.3

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