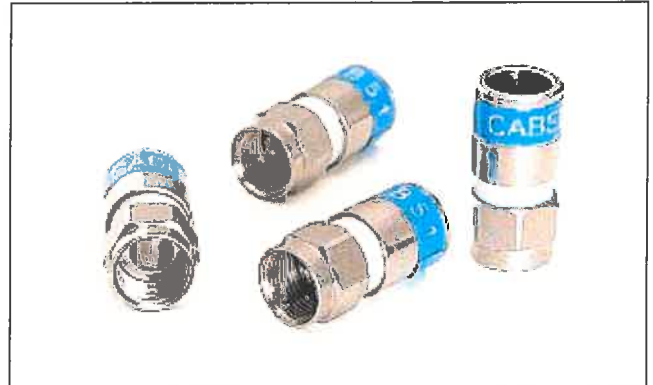


# DATA SHEET

Item no.

Connector type   
For cable

<b>Frequency Range</b>	0.3 - 3000 MHz
<b>Impedance (Nom.)</b>	75 Ω
<b>Amp. Rating (measured)</b>	Cable data
<b>(calculated)</b>	Cable data
<b>Transfer Impedance (CoMeT)</b>	<5,0 mΩ/m @ 5-30MHz
	<0,1 mΩ/con. @ 5-30MHz
<b>Shielding Effectiveness(CoMeT)</b>	>120 dB @ 30-1000MHz
	>110 dB @ 1000-3000MHz



**All tests performed using instruments calibrated in accordance to our ISO 9001 certification. Further technical specifications and installation instructions can be obtained on request.**

**Return Loss** (IEC 61169-1)  
(Rhode und Schwarz ZVB-8)

0.3 - 500 MHz  
500 - 860 MHz  
860 - 1000 MHz  
1000 - 1750 MHz  
1750 - 2150 MHz  
2150 - 3000 MHz

	Better than	Typical
	-39 dB	-42,4 dB
	-38 dB	-40,4 dB
	-36 dB	-38,9 dB
	-30 dB	-33,2 dB
	-29 dB	-32,4 dB
	-27 dB	-29,9 dB

**Insertion Loss Max.**

0.3 - 500 MHz  
500 - 860 MHz  
860 - 1000 MHz  
1000 - 1750 MHz  
1750 - 2150 MHz  
2150 - 3000 MHz

	Better than	Typical
	-0,06 dB	-0,01 dB
	-0,06 dB	-0,01 dB
	-0,06 dB	-0,01 dB
	-0,06 dB	-0,01 dB
	-0,06 dB	-0,01 dB
	-0,06 dB	-0,01 dB

**Temperature**

Installing  
Operating  
Storing

-5° to +50° C
-40° to +100° C
-40° to +100° C

**Intermodulation**

3rd Order (@2x200mW)

**IM3**

**IP3-value**

-150 dBc	+98 dBm
----------	---------

**Inner Conductor Resistance**  
(@ 1 A DC)

Cable data

**Sealing Test**  
(IEC IP-code)

\* see remarks

**Insulation Resistance**  
(@ 500 VDC)

Cable data

**O-rings**

EPDM

**Dielectric Strength**

DC Test Voltage

Cable data

**Base Material**

Body Parts  
Inner Conductor

Brass CuZn39Pb3 / POM (Delrin)  
Cable data

**Max. Tensile Strength**

Overall

294 N  
30 Kgf

**Plating**

Body Parts  
Inner Conductor

Nitin-6  
Cable data

**Torsional Strength**

(Connector / Cable)

\*\* NATM

**Insulators**

Cable data

**Test performed by**

Troels V. Kristensen

**Date of release**

February 14, 2011

**Remarks**

\* 1meter / 24 hours with SEAL RING 1/2" FOR F CONN (99900902)

\*\* Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip.

ISO 9001:2008 / ISO 14001 certified

Distributor:

**CABELCON**  
connectors

Corning Cabelcon ApS, Industriparken 10, DK 4760 Vordingborg  
Tel: +45 55 98 55 99 · Fax: +45 55 98 55 04  
E-mail: [cabelcon@cabelcon.dk](mailto:cabelcon@cabelcon.dk) · [www.cabelcon.dk](http://www.cabelcon.dk)

Form 041 rev 8

# MOUNTING INSTRUCTIONS FOR RG6/59 CX3 - F & IEC



Step 1

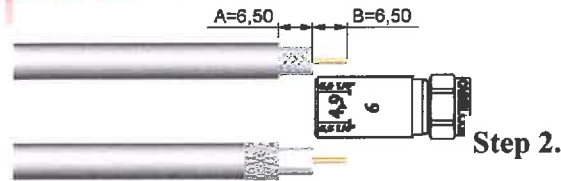
## STEP 1: Strip the cable

We strongly recommend the use of Corning Cabelcon's pre-adjusted Rotary Cable Stripper for proper preparation of the cable. Please read the instructions for use, supplied with the tool.

Stripping dimensions  
A = 6.5 mm. B = 6.5 mm.

You can use the cutting guide on the connector body to check for proper stripping dimensions.

Do not cut the braid or mark center conductor.



Step 2.

## STEP 2: Prepare the cable

Fold exposed braid back over jacket. For "Quad shield", "Tri shield" and "Super shield" cables: Remove the outer braid and foil only. Fold back the inner braid. Leave the inner foil attached to dielectric. Make sure, that the foil is undamaged and smooth.



Step 3.

## STEP 3: Mount the connector

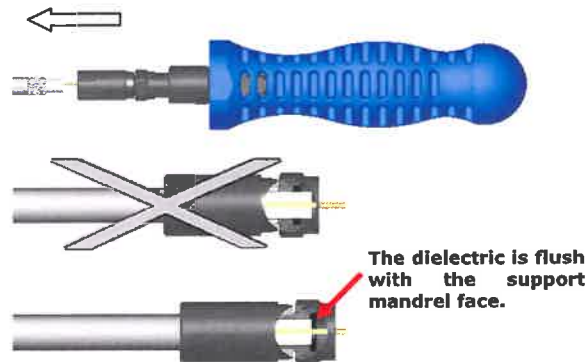
Press the front part of the connector (with the built-in "tool") against the cable and turn slowly to prepare the foil to enter into the connector.



Step 4.

## Step 4: Mount the connector.

Push the connector over the foil and allow the support mandrel to slide between the foil and braid. A mounting tool for F connector and a rubber tool for cable support can be used to keep a better grip on the connector and cable during installation. Press and turn until the dielectric is flush with the support mandrel face.



The dielectric is flush with the support mandrel face.

## STEP 5: Compress the connector

Compress the connector using a compression tool. Please read the instructions supplied with the tool.

Make sure to use the right adjusted tool head and plunger tip. Please read the instructions supplied with the tool. Insert the connector with the cable in the tool and close the tool handle completely. Open the handle and remove the compressed connector.



Step 5.

Mount the connector into the tap. We recommend to tighten the nut with a torque of 4,5 Nm to ensure optimal performance of your network.

CX3 All Size compression tool  
item no. 98029072



CX3 Pocket Tool 59/6  
compression tool  
item no. 98029070



Torque Wrench 4.5 Nm  
item no. 98029080



Rubber Tool for cable  
support, item no. 98028785

Recommended Tools	Item no.
Cable cutter - drop	98028621
Rotary cable stripper RG6/59	98501010
Rubber tool for cable support	98028785
Mounting tool	98028805
CX3 All Size compression tool	98029072
CX3 Pocket Tool 59/6 compres.	98029070
Torque wrench 4.5 Nm Hex 11mm	98029080

Please consult our Internet catalogue on [www.cabelcon.dk](http://www.cabelcon.dk) for the latest information on Corning Cabelcon connectors and tools.

ISO 9001 certified

Distributor:

**CABELCON**  
connectors

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# MOUNTING INSTRUCTIONS FOR RG6/59 CX3 BNC



Step 1

## STEP 1: Strip the cable

We strongly recommend the use of Corning Cabelcon's pre-adjusted Rotary Cable Stripper for proper preparation of the cable.

Please read the instructions for use, supplied with the tool.

Stripping dimensions  
A = 6.5 mm. B = 6.5 mm.

You can use the cutting guide on the connector body to check for proper stripping dimensions.

Do not cut the braid or mark centre conductor.

## STEP 2: Prepare the cable

Fold exposed braid back over jacket. For "Quad shield", "Tri shield" and "Super shield" cables: Remove the outer braid and foil only. Fold back the inner braid. Leave the inner foil attached to dielectric. Make sure, that the foil is undamaged and smooth.

## STEP 3: Mount the connector

Push the connector over the foil and allow the support mandrel to slide between the foil and braid.

A rubber tool for cable support can be used to keep a better grip on the cable during installation. Press and turn until the connector is in place (you can feel the mechanical stop).

## Step 4. Compress the connector

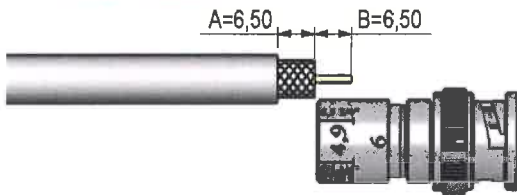
Compress the connector using the CX3 All Size Compression tool. Make sure to use the right adjusted tool head with the plunger tip for BNC (marked "B") installed.

Please read the instructions supplied with the tool.

Insert the connector with the cable in the tool and close the tool handle completely. Open the handle and remove the compressed connector.

Recommended Tools	Item no.
Cable cutter - drop	98028621
Rotary cable stripper RG6/59	98501010
Rubber tool for cable support	98028785
CX3 All Size compression tool	98029072
CX3 Pocket Tool for BNC	98029074
Installation tool for BNC conn.	98028796

Please consult our Internet catalogue on [www.cabelcon.dk](http://www.cabelcon.dk) for the latest information on Corning Cabelcon connectors and tools.



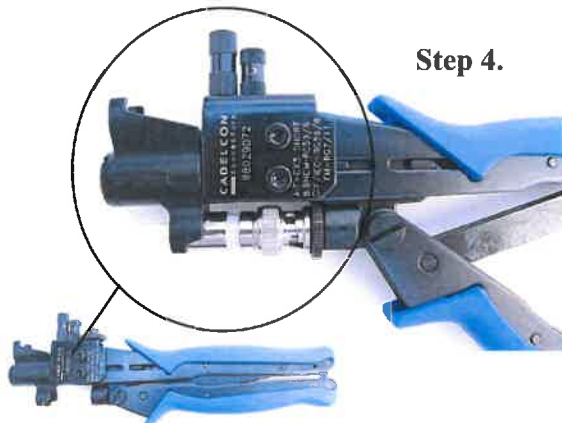
Step 2.



Step 3.



Step 4.



CX3 All Size compression tool  
item no. 98029072



Rubber Tool for cable  
support, item no. 98028785



CX3 Pocket Tool for BNC  
item no. 98029074



Installation Tool for BNC connector  
item no. 98028785

ISO 9001 certified

Distributor:

**CABELCON**  
connectors

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