

Item no. 99901422

Connector type For cable	F703
	SAT703 - DG113

<b>Frequency Range</b>	0.3 - 3000 MHz
<b>Impedance</b> (Nom.)	75 Ω
<b>Amp. Rating</b> (measured)	Cable data
(calculated)	Cable data
<b>Transfer Impedance</b> (CoMeT)	14,8 mΩ/m @ 5-30MHz
	0,32 mΩ/item @ 5-30MHz
<b>Shielding Effectiveness</b> (CoMeT)	95 dB @ 30-862MHz



**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)  
(RF Analyzer HP 8714C)

0.3 - 500 MHz	-40 dB	-43,3 dB
500 - 860 MHz	-39 dB	-41,7 dB
860 - 1000 MHz	-37 dB	-39,8 dB
1000 - 1750 MHz	-30 dB	-32,6 dB
1750 - 2150 MHz	-28 dB	-31,0 dB
2150 - 3000 MHz	-25 dB	-27,9 dB

	Better than	Typical
0.3 - 500 MHz	-40 dB	-43,3 dB
500 - 860 MHz	-39 dB	-41,7 dB
860 - 1000 MHz	-37 dB	-39,8 dB
1000 - 1750 MHz	-30 dB	-32,6 dB
1750 - 2150 MHz	-28 dB	-31,0 dB
2150 - 3000 MHz	-25 dB	-27,9 dB

**Insertion Loss Max.**

0.3 - 500 MHz	-0,06 dB	-0,01 dB
500 - 860 MHz	-0,07 dB	-0,02 dB
860 - 1000 MHz	-0,08 dB	-0,03 dB
1000 - 1750 MHz	-0,10 dB	-0,05 dB
1750 - 2150 MHz	-0,11 dB	-0,06 dB
2150 - 3000 MHz	-0,17 dB	-0,12 dB

	Better than	Typical
0.3 - 500 MHz	-0,06 dB	-0,01 dB
500 - 860 MHz	-0,07 dB	-0,02 dB
860 - 1000 MHz	-0,08 dB	-0,03 dB
1000 - 1750 MHz	-0,10 dB	-0,05 dB
1750 - 2150 MHz	-0,11 dB	-0,06 dB
2150 - 3000 MHz	-0,17 dB	-0,12 dB

**Temperature**

Installing	-5° to +50° C
Operating	-40° to +100° C
Storing	-40° to +100° C

**Intermodulation**

3rd Order (@2x100mW)	<b>IM3</b>	<b>IP3-value</b>
	-150 dBc	+94 dBm

**Sealing Test**

(IEC IP-code)	-
---------------	---

**Inner Conductor Resistance**

(@ 1 A DC)	Cable data
------------	------------

**Insulation Resistance**

(@ 500 VDC)	Cable data
-------------	------------

**O-rings**

-
---

**Dielectric Strength**

DC Test Voltage	3,0 KV
-----------------	--------

**Base Material**

Body Parts	Brass CuZn39Pb3 / Brass CuZn36Pb3
Inner Conductor	Cable data

**Max. Tensile Strength**

Overall	115 N
---------	-------

**Plating**

Body Parts	Nitin-6
Inner Conductor	Cable data

**Torsional Strength**

(Connector / Cable)	*NATM
---------------------	-------

**Insulators**

-
---

**Test performed by**

Sven-Erik Sandberg
--------------------

**Date of release**

July 17, 2007
---------------

**Remarks**

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

ISO 9001:2000 / 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 · [www.cabelcon.dk](http://www.cabelcon.dk)

Form 041 rev 5