

DATA SHEET

Connector type	90-NM/50-220/50 AG PIN
For cable	Bedeia HFX 50 2776-FRNC

Frequency Range
Impedance (Nom.)

50 - 3000 MHz
50 Ω

Shielding Effectiveness(CoMeT)

>95 dB @ 50-1000MHz
>80 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
	-23 dB	-26,1 dB
	-23 dB	-26,1 dB
	-23 dB	-26,1 dB
	-21 dB	-24,3 dB
	-18 dB	-20,7 dB
	-17 dB	-20,3 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
	-0,07 dB	-0,02 dB
	-0,08 dB	-0,03 dB
	-0,08 dB	-0,03 dB
	-0,11 dB	-0,06 dB
	-0,11 dB	-0,06 dB
	-0,19 dB	-0,14 dB

Temperature
Installing
Operating
Storing

-5° to +50° C
-40° to +70° C
-40° to +70° C

Intermodulation
3rd Order (@2x+20dBm)

	IM3	IP3-value
	-120 dBc	+80 dBm

Inner Conductor Resistance
(@ 1 A DC)

<0,9 mΩ

Sealing Test
(IEC IP-code)

IP X8 30 meter / 8 hours

Insulation Resistance
(@ 500 VDC)

> 200 GΩ

O-rings

EPDM

Dielectric Strength
DC Test Voltage

>2,0 KV

Base Material

Body Parts	Brass CuZn39Pb3 / Tin bronze / TPE
Inner Conductor	Tin Bronze / Brass CuZn36Pb2

Max. Tensile Strength

Overall	>70 Kgf
Inner Conductor	>687 N

Plating

Body Parts	Nitin-6
Inner Conductor	Silver

Torsional Strength
(Connector / Cable)

>2,0 Nm

Insulators

TPX / PP with Glass

Test performed by
Date of release

Søren B. Sørensen
September 21, 2011

Remarks

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

ISO 9001:2008 / ISO 14001 certified

Distributor: Antennlaget AB - Söuddevägen 3 - 352 46, Växjö Sweden - Phone +46-470-70 91 90

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

Form 019 rev 7