

## DATA SHEET

Item no.	<b>PLU010618</b>	Connector type	NM/50-RG8-CX3 7.5
		For cable	RFS RGC8-50J

Frequency Range	50 - 5000 MHz
Impedance (Nom.)	50
Amp. Rating (measured)	7 A @10°C increase
(calculated)	10 A @20°C increase
Shielding Effectiveness(CoMeT)	100 dB @ 50-1000Mhz
	98 dB @ 1000-2000MHz



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 8719D)

	Better than	Typical
50 - 1000 MHz	-31 dB	-33,5 dB
1000 - 2000 MHz	-31 dB	-33,5 dB
2000 - 3000 MHz	-31 dB	-33,5 dB
3000 - 5000 MHz	-20 dB	-22,8 dB
900 MHz	-37 dB	-40,0 dB
1800 MHz	-37 dB	-40,0 dB

Insertion Loss Max .

	Better than	Typical
50 - 1000 MHz	-0,12 dB	-0,07 dB
1000 - 2000 MHz	-0,13 dB	-0,08 dB
2000 - 3000 MHz	-0,29 dB	-0,24 dB
3000 - 5000 MHz	-0,41 dB	-0,36 dB
900 MHz	-0,11 dB	-0,06 dB
1800 MHz	-0,13 dB	-0,08 dB

Temperature  
Installing  
Operating  
Storing

-5° to +50° C
-40° to +85° C
-40° to +85° C

Intermodulation  
3rd Order (@2x1W)

IM3	IP3-value
-84 dBm	+86 dBm

Inner Conductor Resistance  
(@1 A DC)

0,9 m
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Sealing Test  
(IEC IP-code)

IP X8 30 meter / 8 hours
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Insulation Resistance  
(@500 VDC)

> 200 G
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O-rings

EPDM
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Dielectric Strength  
DC Test Voltage

2,0 KV
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Base Material

Body Parts	Brass CuZn39Pb3
Inner Conductor	Tin Bronze(BZ4)

Max. Tensile Strength  
Overall

800 N
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Plating

Body Parts	Nitin-6
Inner Conductor	Nitin-6

Torsional Strength  
(Connector / Cable)

* NATM
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Insulators

TPX / POM
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Test performed by  
Date of release

Sven-Erik Sandberg
May 22, 2007

Remarks

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

ISO 9001:2000 / ISO 14001 certified

Distributor:

**CABELCON**  
connectors