

# DATA SHEET

<b>Item no.</b>	76091450	<b>Connector type</b>	NM/50-914/50
		<b>For cable</b>	1 / 14"-50 CU

**Frequency Range**  
**Impedance** (Nom.)

50 - 3500 MHz
50 Ω

**Shielding Effectiveness**(CoMeT)

125 dB @ 50-1000MHz
125 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)

50 - 1000 MHz  
1000 - 2000 MHz  
2000 - 3000 MHz  
3000 - 3500 MHz

	Better than	Typical
50 - 1000 MHz	-37 dB	-39,8 dB
1000 - 2000 MHz	-37 dB	-39,8 dB
2000 - 3000 MHz	-37 dB	-39,6 dB
3000 - 3500 MHz	-33 dB	-36,2 dB
900 MHz	-38 dB	-40,8 dB
1800 MHz	-39 dB	-42,0 dB
2450 MHz	-39 dB	-42,0 dB

900 MHz  
1800 MHz  
2450 MHz

**Temperature**

Installing  
Operating  
Storing

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

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

IP X8 30 meter / 8 hours
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**O-rings**

EPDM
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**Base Material**

Body Parts	Brass CuZn39Pb3 / POM
Inner Conductor	PS2

**Plating**

Body Parts	Nitin-6
Inner Conductor	Silver

**Insulators**

TPX
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**Remarks**

Data can be further optimised to specific brands and types of cables.

**Insertion Loss Max.**

50 - 1000 MHz  
1000 - 2000 MHz  
2000 - 3000 MHz  
3000 - 3500 MHz

900 MHz  
1800 MHz  
2450 MHz

	Better than	Typical
50 - 1000 MHz	-0,06 dB	-0,01 dB
1000 - 2000 MHz	-0,06 dB	-0,01 dB
2000 - 3000 MHz	-0,06 dB	-0,01 dB
3000 - 3500 MHz	-0,07 dB	-0,02 dB
900 MHz	-0,06 dB	-0,01 dB
1800 MHz	-0,06 dB	-0,01 dB
2450 MHz	-0,06 dB	-0,01 dB

**Intermodulation**

3rd Order (@2x20W)

IM3	IP3-value
-117 dBm	+123 dBm

**Inner Conductor Resistance**

@ 1 A DC	0,65 mΩ
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**Insulation Resistance**

@ 500 VDC	> 200 GΩ
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**Dielectric Strength**

DC Test Voltage	2,0 KV
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**Max. Tensile Strength**

Overall	1275 N
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**Torsional Strength**

(Connector / Cable)	20 Nm
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**Test performed by**

Troels V. Kristensen

**Date of release**

January 18, 2010

ISO 9001:2000 / ISO 14001 certified

Distributor:

