

# DATA SHEET

<b>Item no.</b>	76087850	<b>Connector type</b>	NM/50-878/50
		<b>For cable</b>	7/8"-50

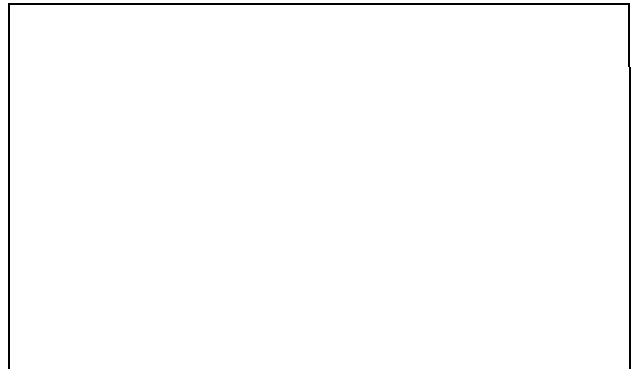
**Frequency Range**  
**Impedance** (Nom.)

50 - 5100 MHz
50 Ω

**Shielding Effectiveness**(CoMeT)

>135 dB @ 50-1000Mhz
>130 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 - 4000 MHz  
4000 - 5100 MHz  
900 MHz  
1800 MHz  
2450 MHz

	Better than	Typical
50 - 1000 MHz	-40 dB	-42,4 dB
1000 - 2000 MHz	-38 dB	-40,9 dB
2000 - 3000 MHz	-35 dB	-37,5 dB
3000 - 4000 MHz	-29 dB	-31,7 dB
4000 - 5100 MHz	-25 dB	-28,0 dB
900 MHz	-40 dB	-42,5 dB
1800 MHz	-38 dB	-41,0 dB
2450 MHz	-37 dB	-40,0 dB

**Insertion Loss Max.**

50 - 1000 MHz  
1000 - 2000 MHz  
2000 - 3000 MHz  
3000 - 4000 MHz  
4000 - 5100 MHz  
900 MHz  
1800 MHz  
2450 MHz

	Better than	Typical
50 - 1000 MHz	-0,06 dB	-0,01 dB
1000 - 2000 MHz	-0,07 dB	-0,02 dB
2000 - 3000 MHz	-0,07 dB	-0,02 dB
3000 - 4000 MHz	-0,07 dB	-0,02 dB
4000 - 5100 MHz	-0,10 dB	-0,05 dB
900 MHz	-0,06 dB	-0,01 dB
1800 MHz	-0,06 dB	-0,01 dB
2450 MHz	-0,07 dB	-0,02 dB

**Temperature**

Installing  
Operating  
Storing

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

**Intermodulation**

3rd Order (@2x20W)

IM3	IP3-value
-127 dBm	+128 dBm

**Inner Conductor Resistance**

(@ 1 A DC)

0,4 mΩ
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**Sealing Test**

(IEC IP-code)

IP X8 30 meter / 8 hours
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**Insulation Resistance**

(@ 500 VDC)

>200 GΩ
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**O-rings**

EPDM
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**Dielectric Strength**

DC Test Voltage

3,0 KV
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**Base Material**

Body Parts  
Inner Conductor

Brass CuZn39Pb3 / POM C9021LS
Tin Bronze

**Max. Tensile Strength**

Overall

180 Kgf
1765 N

**Plating**

Body Parts  
Inner Conductor

Nitin-6
Silver

**Torsional Strength**

(Connector / Cable)

20,0 Nm
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**Insulators**

TPX
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**Test performed by**

Sven-Erik Sandberg
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**Date of release**

January 08, 2010
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**Remarks**

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

ISO 9001:2000 / ISO 14001 certified

Distributor:

