

# DATA SHEET

<b>Item no.</b>	52087850	<b>Connector type</b>	7/16F-878/50
		<b>For cable</b>	7/8"-50

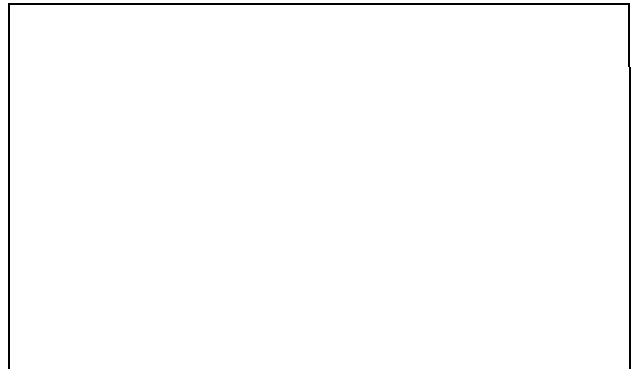
**Frequency Range**  
**Impedance** (Nom.)

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)

	Better than	Typical
50 - 1000 MHz	-35 dB	-37,5 dB
1000 - 2000 MHz	-32 dB	-35,2 dB
2000 - 3000 MHz	-31 dB	-33,4 dB
3000 - 4000 MHz	-28 dB	-30,5 dB
4000 - 5100 MHz	-26 dB	-28,5 dB
900 MHz	-35 dB	-38,0 dB
1800 MHz	-33 dB	-35,4 dB
2450 MHz	-32 dB	-35,4 dB

**Insertion Loss Max.**

	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 - 4000 MHz	-0,06 dB	-0,01 dB
4000 - 5100 MHz	-0,09 dB	-0,04 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

**Temperature**

Installing	-5° to +50° C
Operating	-40° to +85° C
Storing	-40° to +85° C

**Intermodulation**

3rd Order (@2x20W)	<b>IM3</b>	<b>IP3-value</b>
	-127 dBm	+128 dBm

**Inner Conductor Resistance**

@ 1 A DC)	0,1 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	6,0 KV
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**Base Material**

Body Parts	Brass CuZn39Pb3 / POM C9021LS
Inner Conductor	Tin Bronze

**Max. Tensile Strength**

Overall	160 Kgf
	1569 N

**Plating**

Body Parts	Nitin-6
Inner Conductor	Silver

**Torsional Strength**

(Connector / Cable)	25,0 Nm
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**Insulators**

TPX
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**Test performed by**  
**Date of release**

Sven-Erik Sandberg
January 07, 2010

**Remarks**

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

ISO 9001:2000 / ISO 14001 certified

Distributor:

