

DATA SHEET

Item no.	50087850	Connector type	7/16M-878/50
		For cable	7/8"-50

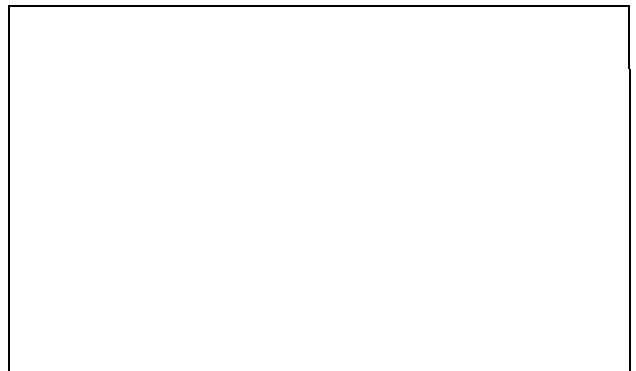
Frequency Range
Impedance (Nom.)

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	-37 dB	-39,8 dB
1000 - 2000 MHz	-35 dB	-37,8 dB
2000 - 3000 MHz	-34 dB	-36,7 dB
3000 - 4000 MHz	-31 dB	-33,9 dB
4000 - 5100 MHz	-28 dB	-31,0 dB
900 MHz	-37 dB	-39,8 dB
1800 MHz	-35 dB	-37,8 dB
2450 MHz	-35 dB	-37,8 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	-0,06 dB	-0,01 dB
2000 - 3000 MHz	-0,06 dB	-0,01 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	-0,06 dB	-0,01 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)

0,2 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

6,0 KV

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)

25,0 Nm

Insulators

TPX

Test performed by

Sven-Erik Sandberg

Date of release

January 07, 2010

Remarks

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

ISO 9001:2000 / ISO 14001 certified

Distributor:

