

DATA SHEET

Item no. 52051250

Connector type
For cable

7/16F-512/50
1/2"-50

Frequency Range
Impedance (Nom.)

50 - 6000 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 - 6000 MHz
900 MHz
1800 MHz
2450 MHz

Better than Typical

-39 dB	-41,7 dB
-33 dB	-35,6 dB
-31 dB	-34,2 dB
-28 dB	-31,2 dB
-24 dB	-26,6 dB
-39 dB	-42,2 dB
-33 dB	-36,4 dB
-32 dB	-34,8 dB

Insertion Loss Max.

50 - 1000 MHz
1000 - 2000 MHz
2000 - 3000 MHz
3000 - 4000 MHz
4000 - 6000 MHz
900 MHz
1800 MHz
2450 MHz

Better than Typical

-0,06 dB	-0,01 dB
-0,06 dB	-0,01 dB
-0,06 dB	-0,01 dB
-0,06 dB	-0,01 dB
-0,08 dB	-0,03 dB
-0,06 dB	-0,01 dB
-0,06 dB	-0,01 dB
-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)

1,2 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)

8,0 Nm

Insulators

TPX

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:

CABELCON
connectors

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