

DATA SHEET

Item no. 49044400

Connector type
For cable

3.5/12M-44
CAVEL TS27/115FC -AP

Frequency Range

Impedance (Nom.)

Amp. Rating (@10°C increase)

Transfer Impedance (CoMeT)

Shielding Effectiveness(CoMeT)

0.3 - 3000 MHz
75 Ω
17 A
<1 mΩ/m @ 5-30MHz
<0,1 mΩ/con. @ 5-30MHz
110 dB @ 30-862MHz

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

(RF Analyzer HP 8714C)

0.3 - 500 MHz
500 - 860 MHz
860 - 1000 MHz
1000 - 1750 MHz
1750 - 2150 MHz
2150 - 3000 MHz

Better than **Typical**

-37 dB	-39,3 dB
-33 dB	-36,1 dB
-33 dB	-36,1 dB
-23 dB	-25,7 dB
-19 dB	-21,4 dB
-18 dB	-20,8 dB

Insertion Loss Max.

0.3 - 500 MHz
500 - 860 MHz
860 - 1000 MHz
1000 - 1750 MHz
1750 - 2150 MHz
2150 - 3000 MHz

Better than **Typical**

-0,08 dB	-0,03 dB
-0,09 dB	-0,04 dB
-0,09 dB	-0,04 dB
-0,13 dB	-0,08 dB
-0,14 dB	-0,09 dB
-0,15 dB	-0,10 dB

Temperature

Installing
Operating
Storing

-5° to +50° C
-40° to +70° C
-40° to +70° C

Intermodulation

3rd Order Product (@2x1W)

IM3 **IP3-value**

130 dBc	95 dBm
---------	--------

Insulation Resistance

(@ 500 V)

>200 GΩ

Sealing Test

(IEC IP-code)

IP X7 1 meter / 30 minutes

Inner Conductor Resistance

(@ 1 A DC)

<1 mΩ

Max. Tensile Strength

Overall

1050 N

Base Material

Body Parts

Brass CuZn39Pb3

Inner Conductor

Brass CuZn39Pb3

Torsional Strength

(Connector / Cable)

4 Nm

Plating

Body Parts

Nitin-6

Inner Conductor

Nitin-6

Dielectric Strength

DC Test Voltage

3 KV

O-rings

EPDM

Test performed by

Jan M. Clausen

Insulators

PP with Glass / POM (Delrin)

Date of release

March 15, 2006

Remarks

ISO 9001:2000 / ISO 14001 certified

Distributor:

CABELCON
connectors

Corning Cabelcon Aps, Industriparken 10, DK 4760 Vordingborg
Tel: +45 55 98 55 99 · Fax: + 45 55 98 55 04
E-mail: cabelcon@cabelcon.dk · www.cabelcon.dk

Form 041 rev 2