

# DATA SHEET

Item no.	99909421-01	Connector type	F-59-CX3 3,9
		For cable	sat501

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ω
Amp. Rating (measured)	Cable data
(calculated)	Cable data
Transfer Impedance (CoMeT)	<2,5 mΩ/m @ 5-30MHz
	<0,07 mΩ/item @ 5-30MHz
Shielding Effectiveness (CoMeT)	>125 dB @ 30- 862MHz
	>118 dB @ 862-3000MHz



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)  
(RF Analyzer R and S ZVB 8)

	Better than	Typical
0.3 - 500 MHz	-28 dB	-31,2 dB
500 - 860 MHz	-28 dB	-30,6 dB
860 - 1000 MHz	-27 dB	-30,1 dB
1000 - 1750 MHz	-26 dB	-29,3 dB
1750 - 2150 MHz	-26 dB	-29,3 dB
2150 - 3000 MHz	-26 dB	-28,6 dB

Insertion Loss Max.

	Better than	Typical
0.3 - 500 MHz	-0,06 dB	-0,01 dB
500 - 860 MHz	-0,06 dB	-0,01 dB
860 - 1000 MHz	-0,06 dB	-0,01 dB
1000 - 1750 MHz	-0,07 dB	-0,02 dB
1750 - 2150 MHz	-0,07 dB	-0,02 dB
2150 - 3000 MHz	-0,09 dB	-0,04 dB

Temperature  
Installing  
Operating  
Storing

-5° to +50° C
-40° to +100° C
-40° to +100° C

Intermodulation  
3rd Order (@2x100mW)

IM3	IP3-value
<-140 dBc	>90 dBm

Inner Conductor Resistance  
(@ 1 A DC)

Cable data
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Sealing Test  
(IEC IP-code)

IP X8 1 meter / 24 hours
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Insulation Resistance  
(@ 500 VDC)

Cable data
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O-rings

EPDM
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Dielectric Strength  
DC Test Voltage

Cable data
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Base Material

Body Parts	Brass CuZn39Pb3 / POM
Inner Conductor	Cable data

Max. Tensile Strength  
Overall

260 N
26,5 Kg.

Plating

Body Parts	Nitin-6
Inner Conductor	Cable data

Torsional Strength  
(Connector / Cable)

NATM*
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Test performed by  
Date of release

Søren B. Sørensen
March 15, 2010

Remarks

\* Not Able To Measure(NATM): The cable starts to twist without the connector losing its grip

ISO 9001:2000 / ISO 14001 certified

Distributor:

**CABELCON**  
connectors

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