

DATA SHEET

Item no.	94980175	Connector type	FM-CXJ6-FM/CX3/B/0.5
		Cable jacket	FRNC

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ω
Amp. Rating (@10°C increase)	7 A
Transfer Impedance (CoMeT)	5,0 mΩ/m @ 5-30MHz
	2,5 mΩ/item @ 5-30MHz
Shielding Effectiveness (CoMeT)	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 (IEC 61169-1)

(RF Analyzer HP 8714C)

	Better than	Typical
0.3 - 500 MHz	-32 dB	-36,8 dB
500 - 860 MHz	-31 dB	-34,5 dB
860 - 1000 MHz	-31 dB	-33,9 dB
1000 - 1750 MHz	-26 dB	-28,6 dB
1750 - 2150 MHz	-25 dB	-28,6 dB
2150 - 3000 MHz	-24 dB	-27,0 dB

Insertion Loss Max.

	Better than	Typical
0.3 - 500 MHz	-0,14 dB	-0,09 dB
500 - 860 MHz	-0,16 dB	-0,11 dB
860 - 1000 MHz	-0,17 dB	-0,12 dB
1000 - 1750 MHz	-0,21 dB	-0,16 dB
1750 - 2150 MHz	-0,22 dB	-0,17 dB
2150 - 3000 MHz	-0,25 dB	-0,20 dB

Temperature

Installing	-5° to +50° C
Operating	-40° to +70° C
Storing	-40° to +70° C

Intermodulation

3rd Order (@2x100mW)	IM3	IP3-value
	-135 dBc	+87 dBm

Inner Conductor Resistance

@ 1 A DC	12 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

Dielectric Strength

DC Test Voltage	2 KV
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Base Material

Body Parts	Brass CuZn39Pb3 / POM (Delrin)
Inner Conductor	Copper

Max. Tensile Strength

Overall	175 N
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Plating

Body Parts	Nitin-6
Inner Conductor	-

Torsional Strength

(Connector / Cable)	*
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Insulators

PE

Test performed by

Troels V. Kristensen

Date of release

March 02, 2007

Remarks

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

ISO 9001:2000 / ISO 14001 certified

Distributor:

CABELCON
connectors

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Form 041 rev 4