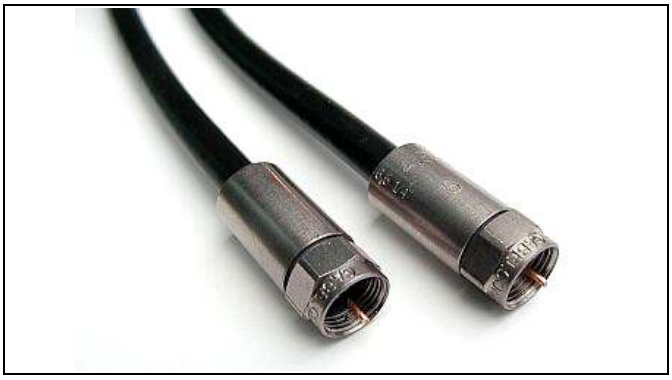
DATA SHEET

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

Inner Conductor Resistance
(@ 1 A DC) 12 mΩ

Sealing Test
(IEC IP-code) IP X8 30 meter / 8 hours

Insulation Resistance
(@ 500 VDC) >200 GΩ

Dielectric Strength
DC Test Voltage 2 KV

O-rings EPDM

Base Material

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

Max. Tensile Strength
Overall 175 N

Plating

Body Parts	Nitin-6
Inner Conductor	-

Torsional Strength
(Connector / Cable) *

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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