Corning Cabelcon Datasheet

Item no.	99909440
Connector type	F-56-CX3 4.9
For cable	Draka Coax 10 AD 10 S AL

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ω
Amp. Rating (measured)	Cable data
(calculated)	Cable data

Product photo

Transfer Impedance (CoMeT)	Class A+
	<2.5 mΩ/m @ 5-30MHz
	<0.1 mΩ/item @ 5-30MHz
Screening Attenuation(CoMeT)	Class A++
	>140 dB @ 30-1000MHz
	>120 dB @ 1000-3000MHz

Return Loss	Better than	Typical
0.3 - 500 MHz	-34 dB	-36.4 dB
500 - 860 MHz	-33 dB	-35.6 dB
860 - 1000 MHz	-32 dB	-34.7 dB
1000 - 1750 MHz	-31 dB	-33.7 dB
1750 - 2150 MHz	-30 dB	-33.2 dB
2150 - 3000 MHz	-30 dB	-33.2 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	-0.07 dB	-0.02 dB
1000 - 1750 MHz	-0.07 dB	-0.02 dB
1750 - 2150 MHz	-0.07 dB	-0.02 dB
2150 - 3000 MHz	-0.07 dB	-0.02 dB

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

Intermodulation	IM3	IP3-value
3rd Order (@2x100mW)	-145 dBc	+92 dBm

Inner Conductor Resistance (@ 1 A DC)	Cable data
Sealing Test (IEC IP-code)	IP X8 30 meter / 8 hours
Insulation Resistance (@ 500 VDC)	Cable data
Dielectric Strength DC Test Voltage	Cable data
O-rings	EPDM

Base Material	
Body Parts	Brass CuZn39Pb3 / POM (Delrin)
Inner Conductor	Cable data
Plating	
Body Parts	Nickel
Inner Conductor	Cable data
Insulators	Cabel data

Max. Tensile Strength Overall	>40 Kgf
	>392 N
Torsional Strength (Connector / Cable)	* NATM
Test performed by	Sven-Erik Sandberg
Date of release	March 28, 2012

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

All tests performed using instruments calibrated in accordance to our ISO 9001 certification.
Further technical specifications and installation instructions can be obtained on request.

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ISO 9001:2008 / ISO 14001 certified

Distributor:

CABELCON connectors

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