CORNING

Datasheet

Item no.	99909510-02
Connector type	FM-RG11-CX3 7.5
For cable	Ören HD163 PEF

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ohm
Amp. Rating (measured)	7.5 A @10°C increase
(calculated)	10.6 A @20°C increase

Product photo

Transfer Impedance (CoMeT)	Class A+
	<2.5 mΩ/m @ 5-30MHz
	<0,1 mΩ/item @ 5-30MHz
Screening Attenuation(CoMeT)	Class A++
	>105 dB @ 30-1000MHz
	>95 dB @ 1000-2000MHz
	>85 dB @ 2000-3000MHz

Return Loss (IEC 61169-1)	Better than	Typical
0.3 - 500 MHz	-38 dB	-40.4 dB
500 - 860 MHz	-36 dB	-38.8 dB
860 - 1000 MHz	-35 dB	-38.1 dB
1000 - 1750 MHz	-30 dB	-32.6 dB
1750 - 2150 MHz	-28 dB	-30.7 dB
2150 - 3000 MHz	-25 dB	-27.5 dB

Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-0.05 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	-0.17 dB	-0.12 dB
2150 - 3000 MHz	-0.20 dB	-0.15 dB

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

Intermodulation	IM3	IP3-value
3rd Order (@2x+20dBm)	-155 dBc	

Inner Conductor Resistance (@ 1 A DC)	<1.0 mΩ

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

Insulation Resistance (@ 500 VDC)	> 200 GΩ

Dielectric Strength DC Test Voltage	3,0 KV

O-rings	EPDM

Base Material	
Body Parts	Brass CuZn39Pb3 / Tin bronce / POM
Inner Conductor	Brass CuZn39Pb3

Max. Tensile Strength Overall	>35 Kgf
	>343 N

Plating	
Body Parts	Nitin-6
Inner Conductor	Nitin-6

Torsional Strength (Connector / Cable)	* NATM

Insulators	PE / POM

Test performed by	Søren B. Sørensen
Date of release	March 05, 2018

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

Connector designed according to the standard IEC 61169-24 (type F)
All tests performed using instruments calibrated in accordance to our ISO 9001 certification.
Further technical specifications and installation instructions can be obtained on request.

ISO 9001:2008 / ISO 14001 certified

Distributor:

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