

Item no.	99530940-01	Connector type	FM-RG11-ALM 7.6/11.7 DK XO
		For cable	Cavel DG163

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ω
Amp. Rating (measured)	5,0 A @10°C increase
(calculated)	7,0 A @20°C increase
Transfer Impedance (CoMeT)	2,7 mΩ/m @ 5-30MHz
	0,09 mΩ/item @ 5-30MHz
Shielding Effectiveness (CoMeT)	104 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	-35,2 dB
500 - 860 MHz	-29 dB	-31,9 dB
860 - 1000 MHz	-28 dB	-30,9 dB
1000 - 1750 MHz	-23 dB	-26,2 dB
1750 - 2150 MHz	-22 dB	-25,0 dB
2150 - 3000 MHz	-21 dB	-23,6 dB

Insertion Loss Max.

	Better than	Typical
0.3 - 500 MHz	-0,08 dB	-0,03 dB
500 - 860 MHz	-0,09 dB	-0,04 dB
860 - 1000 MHz	-0,09 dB	-0,04 dB
1000 - 1750 MHz	-0,10 dB	-0,05 dB
1750 - 2150 MHz	-0,10 dB	-0,05 dB
2150 - 3000 MHz	-0,14 dB	-0,09 dB

Temperature

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

Intermodulation

3rd Order (@2x1W)	IM3	IP3-value
	-127 dBc	93 dBm

Inner Conductor Resistance

@ 1 A DC	1,3 mΩ
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Sealing Test

(IEC IP-code)	N/A
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Insulation Resistance

@ 500 VDC	29,99 GΩ
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O-rings

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Dielectric Strength

DC Test Voltage	3,0 KV
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Base Material

Body Parts	Brass CuZn39Pb3
Inner Conductor	Brass CuZn39Pb3

Max. Tensile Strength

Overall	550 N
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Plating

Body Parts	Nitin-6
Inner Conductor	Nitin-6

Torsional Strength

(Connector / Cable)	* NATM
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Insulators

PE

Test performed by

Sven-Erik Sandberg

Date of release

July 25, 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 5