

| | | | |
|-----------------|-------------|-----------------------|------------------------------|
| Item no. | 99530940-01 | Connector type | FM-RG11-ALM 7.6/11.7 DK XO |
| | | For cable | CAVEL DG163 TS11J RG11 17/73 |
| | | | |

| | |
|--|------------------------|
| 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 |
|----------|--------|

Sealing Test

| | |
|---------------|-----|
| (IEC IP-code) | N/A |
|---------------|-----|

Insulation Resistance

| | |
|-----------|----------|
| @ 500 VDC | 29,99 GΩ |
|-----------|----------|

O-rings

| |
|---|
| - |
|---|

Dielectric Strength

| | |
|-----------------|--------|
| DC Test Voltage | 3,0 KV |
|-----------------|--------|

Base Material

| | |
|-----------------|-----------------|
| Body Parts | Brass CuZn39Pb3 |
| Inner Conductor | Brass CuZn39Pb3 |

Max. Tensile Strength

| | |
|---------|-------|
| Overall | 550 N |
|---------|-------|

Plating

| | |
|-----------------|---------|
| Body Parts | Nitin-6 |
| Inner Conductor | Nitin-6 |

Torsional Strength

| | |
|---------------------|--------|
| (Connector / Cable) | * NATM |
|---------------------|--------|

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 losing its grip.

ISO 9001:2000 / ISO 14001 certified

Distributor:

CABELCON
connectors

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