# Cabelcon
An Amphenol Company

# Datasheet

| | |
|---|---|
| Item no. | 99909592 |
| Connector type | FM-RG7-CX3 QM 9.5 |
| For cable | Time Fiber T760-VB |

| | |
|---|---|
| Frequency Range | 0.3 - 3000 MHz |
| Impedance (Nom.) | 75 Ohm |
| Amp. Rating (measured) | 4.5 A @10°C increase |
| (calculated) | 6.3 A @20°C increase |

Product photo



| Screening Attenuation(CoMeT) | |
|---|---|
| | Class A |
| | >85 dB @ 30-1000MHz |
| | >75 dB @ 1000-2000MHz |
| | >65 dB @ 2000-3000MHz |

| Return Loss (IEC 61169-1) | Better than | Typical |
|---|---|---|
| 0.3 - 500 MHz | -43 dB | -46.0 dB |
| 500 - 860 MHz | -42 dB | -44.8 dB |
| 860 - 1000 MHz | -40 dB | -43.2 dB |
| 1000 - 1750 MHz | -34 dB | -36.8 dB |
| 1750 - 2150 MHz | -31 dB | -34.0 dB |
| 2150 - 3000 MHz | -25 dB | -27.4 dB |

| Insertion Loss Max. | Better than | Typical |
|---|---|---|
| 0.3 - 500 MHz | -0.08 dB | -0.03 dB |
| 500 - 860 MHz | -0.12 dB | -0.07 dB |
| 860 - 1000 MHz | -0.12 dB | -0.07 dB |
| 1000 - 1750 MHz | -0.12 dB | -0.07 dB |
| 1750 - 2150 MHz | -0.12 dB | -0.07 dB |
| 2150 - 3000 MHz | -0.12 dB | -0.07 dB |

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

| Intermodulation | IM3 | |
|---|---|---|
| 3rd Order (@2x+20dBm) | -125 dBc | |

| Inner Conductor Resistance (@ 1 A DC) | <3.0 mΩ |
|---|---|

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

| Insulation Resistance (@ 500 VDC) | >200 GΩ |
|---|---|

| Dielectric Strength DC Test Voltage | >2.0 KV |
|---|---|

| O-rings | EPDM |
|---|---|

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

| Max. Tensile Strength Overall | >20.4 Kgf |
|---|---|
| | >200 N |

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

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

| Test performed by<br>Approved by | Susanne Lindharth<br>Anders Balcer |
|---|---|

| Insulators | PE |
|---|---|

| Date of release | June 27, 2023 |
|---|---|

Remarks *

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

© Copyright Amphenol Cabelcon ApS

Distributor:

Amphenol Cabelcon ApS
Industriparken 10, DK-4760 Vordingborg
Tel: +45 5598 5599
cabelcon@cabelcon.com www.cabelcon.com