CORNING Datasheet

Item no.	99909597
Connector type	90-FM-56-CX3 7,0 QM
For cable	Ören HD103 PLUS

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

Transfer Impedance (CoMeT)	Class A++
	<0.9 mΩ/m @ 5-30MHz
	<0.04 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	-35 dB	-38.3 dB
500 - 860 MHz	-33 dB	-35.9 dB
860 - 1000 MHz	-32 dB	-34.9 dB
1000 - 1750 MHz	-28 dB	-30.5 dB
1750 - 2150 MHz	-25 dB	-28.0 dB
2150 - 3000 MHz	-20 dB	-23.2 dB

Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-0.11 dB	-0.06 dB
500 - 860 MHz	-0.15 dB	-0.10 dB
860 - 1000 MHz	-0.16 dB	-0.11 dB
1000 - 1750 MHz	-0.20 dB	-0.15 dB
1750 - 2150 MHz	-0.21 dB	-0.16 dB
2150 - 3000 MHz	-0.24 dB	-0.19 dB

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

Intermodulation	IM3	
3rd Order (@2x100mW)	-129 dBc	
Inner Conductor Resistance (@ 1 A DC)	<7.6 mΩ	
Insulation Resistance (@ 500 VDC)	>200 GΩ	
Dielectric Strength DC Test Voltage	>2.0 KV	
Max. Tensile Strength Overall	>25.5 Kgf	
	>250 N	
Torsional Strength (Connector / Cable)	* NATM	

Sealing Test (IEC IP-code)	N/A
O-rings	N/A
Base Material	
Body Parts	Brass CuZn39Pb3
Inner Conductor	Beryllium copper
Plating	
Body Parts	Nitin-6
Inner Conductor	Gold
Insulators	POM / PE
Test performed by	Sven-Erik Sandberg
Date of release	January 11, 2017

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.

ISO 9001:2008 / ISO 14001 certified

Distributor:

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