CORNING Datasheet

Item no.	99909631-04
Connector type	F-6-TD SELF INSTALL 4.9 NiTin
For cable	280050

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ohm
Amp. Rating (measured)	Cable data
(calculated)	Cable data

Product photo

Transfer Impedance (CoMeT)	Class A++
	<0.9 mΩ/m @ 5-30MHz
	<0.27 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	-37.6 dB
500 - 860 MHz	-34 dB	-37.1 dB
860 - 1000 MHz	-34 dB	-36.9 dB
1000 - 1750 MHz	-32 dB	-35.4 dB
1750 - 2150 MHz	-32 dB	-34.4 dB
2150 - 3000 MHz	-30 dB	-32.4 dB

Insertion Loss Max.

	Better than	Typical
0.3 - 500 MHz	-0.06 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	-0.06 dB	-0.01 dB
1750 - 2150 MHz	-0.06 dB	-0.01 dB
2150 - 3000 MHz	-0.06 dB	-0.01 dB

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

Intermodulation	IM3	
3rd Order (@2x+27dBm)	-166 dBc	

Inner Conductor Resistance (@ 1 A DC)
Cable data

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

Insulation Resistance (@ 500 VDC)
Cable data

O-rings	EPDM

Dielectric Strength DC Test Voltage
Cable data

Base Material	
Body Parts	Brass / POM
Inner Conductor	Cable data
Plating	
Body Parts	Nitin
Inner Conductor	Cable data
Insulators	Cabel data

Max. Tensile Strength	
Overall	>24 Kgf
	>235 N
Torsional Strength (Connector / Cable)	* NATM
Test performed by	Susanne Lindharth
Approved by	Søren Baldus-Kunze
Date	January 20, 2021

Remarks

* Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip. Tensile strength can be limited by the strength of the cable. Please refer to the cable data.

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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