

Item no.	99909621-05	Connector type	F-59-TD SELF INSTALL 3.9 NiTin
		For cable	280034

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+
	<2.5 mΩ/m @ 5-30MHz
	<0.75 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	-42 dB	-46.0 dB
500 - 860 MHz	-40 dB	-46.0 dB
860 - 1000 MHz	-40 dB	-46.0 dB
1000 - 1750 MHz	-37 dB	-45.3 dB
1750 - 2150 MHz	-36 dB	-44.7 dB
2150 - 3000 MHz	-34 dB	-43.5 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)	-153 dBc

Inner Conductor Resistance (@ 1 A DC)	Cable data
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Sealing Test (IEC IP-code)	IP X8 30 meter / 8 hours
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Insulation Resistance (@ 500 VDC)	Cable data
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O-rings	EPDM
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Dielectric Strength DC Test Voltage	Cable data
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Base Material	
Body Parts	Brass / POM
Inner Conductor	Cable data

Max. Tensile Strength Overall	>21 Kgf
	>206 N

Plating	
Body Parts	Nitin
Inner Conductor	Cable data

Torsional Strength (Connector / Cable)	* NATM
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Insulators	POM
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Test performed by	Susanne Lindharth
Approved by	Anders Balcer
Date of release	February 21, 2024

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