

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++
 $<0.9 \text{ m}\Omega/\text{m @ 5-30MHz}$
 $<0.27 \text{ m}\Omega/\text{item @ 5-30MHz}$
 Screening Attenuation(CoMeT) Class A++
 $>105 \text{ dB @ 30-1000MHz}$
 $>95 \text{ dB @ 1000-2000MHz}$
 $>85 \text{ dB @ 2000-3000MHz}$

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

Max. Tensile Strength Overall $>24 \text{ Kg}$
 $>235 \text{ N}$

Plating
 Body Parts Nitin
 Inner Conductor Cable data

Torsional Strength (Connector / Cable) * NATM

Insulators Cabel data

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.*