

Item no.

99909935-02

Connector type

F-59-TD-3.9 HEC

For cable

TFC, U-JIN/TFC-T10

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
<0.1 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	-30 dB
500 - 860 MHz	-30 dB	-32.5 dB
860 - 1000 MHz	-30 dB	-32.5 dB
1000 - 1750 MHz	-30 dB	-32.5 dB
1750 - 2150 MHz	-30 dB	-32.5 dB
2150 - 3000 MHz	-29 dB	-32.0 dB

Insertion Loss Max.	Better than	Typical
	0.3 - 500 MHz	-0.06 dB
500 - 860 MHz	-0.06 dB	-0.01 dB
860 - 1000 MHz	-0.08 dB	-0.03 dB
1000 - 1750 MHz	-0.09 dB	-0.04 dB
1750 - 2150 MHz	-0.09 dB	-0.04 dB
2150 - 3000 MHz	-0.09 dB	-0.04 dB

Temperature
Installing

-5° to +50° C

Operating

-40° to +70° C

Storing

-40° to +70° C

Intermodulation IM3
3rd Order (@2x+20dBm)

-129 dBc

Inner Conductor Resistance (@ 1 A DC)

Cable data

Sealing Test (IEC IP-code)

IP X8 30 meter / 8 hours

Insulation Resistance (@ 500 VDC)

>200 GΩ

O-rings

EPDM

Dielectric Strength DC Test Voltage

>2.0 KV

Base Material
Body Parts

Brass CuZn39Pb3

Inner Conductor

-

Max. Tensile Strength Overall

>35 KgF
>343 N

Plating
Body Parts

Nitin-6

Inner Conductor

-

Torsional Strength (Connector / Cable)

0.5 Nm

Insulators

POM

Test performed by

Susanne Lindharth

Date of release

February 18, 2021

Remarks * Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip.

*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.*