

Item no. 99909492-01	Connector type IECF-59-CX3 3.9
	For cable CommScope F59TSEF

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ω
Amp. Rating (@10°C increase)	5,5 A
Shielding Effectiveness(CoMeT)	86 dB @ 30-862MHz

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



Return Loss (IEC 61169-1)
(RF Analyzer HP 8714C)

	Better than	Typical
0.3 - 500 MHz	-24 dB	-26,4 dB
500 - 860 MHz	-19 dB	-22,3 dB
860 - 1000 MHz	-18 dB	-20,9 dB
1000 - 1750 MHz	-15 dB	-17,3 dB
1750 - 2150 MHz	-14 dB	-16,3 dB
2150 - 3000 MHz	-11 dB	-14,1 dB

Insertion Loss Max.

	Better than	Typical
0.3 - 500 MHz	-0,12 dB	-0,07 dB
500 - 860 MHz	-0,17 dB	-0,12 dB
860 - 1000 MHz	-0,20 dB	-0,15 dB
1000 - 1750 MHz	-0,25 dB	-0,20 dB
1750 - 2150 MHz	-0,28 dB	-0,23 dB
2150 - 3000 MHz	-0,41 dB	-0,36 dB

Temperature
Installing
Operating
Storing

-5° to +50° C
-40° to +70° C
-40° to +70° C

Intermodulation
3rd Order (@2x100mW)

IM3	IP3-value
-130 dBc	+84 dBm

Inner Conductor Resistance
(@ 1 A DC)

2,8 mΩ

Sealing Test
(IEC IP-code)

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Insulation Resistance
(@ 500 VDC)

>200 GΩ

O-rings

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Dielectric Strength
DC Test Voltage

1,8 KV

Base Material
Body Parts
Inner Conductor

Brass CuZn39Pb3
Brass CuZn39Pb3 / Tin bronze / BeCu

Max. Tensile Strength
Overall

250 N

Plating
Body Parts
Inner Conductor

Nitin-6
Nitin-6 / Tin

Torsional Strength
(Connector / Cable)

*

Insulators

PE / POM

Test performed by
Date of release

Troels V. Kristensen
March 22, 2007

Remarks

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