

Item no. 99909482-01
Accessory no. 99900570-01

Connector type IECM-59-CX3 3.9
Accessory type M14 NUT + O-RING F. CX3+CRIMP
For cable CommScope F59TSEF

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ω
Amp. Rating (@10°C increase)	6,5 A
Transfer Impedance (CoMeT)	5,0 mΩ/m @ 5-30MHz
	0,15 mΩ/item @ 5-30MHz
Shielding Effectiveness (CoMeT)	110 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	-25 dB	-27,8 dB
500 - 860 MHz	-21 dB	-23,7 dB
860 - 1000 MHz	-20 dB	-22,4 dB
1000 - 1750 MHz	-17 dB	-19,7 dB
1750 - 2150 MHz	-15 dB	-17,9 dB
2150 - 3000 MHz	-11 dB	-14,2 dB

Insertion Loss Max.

	Better than	Typical
0.3 - 500 MHz	-0,14 dB	-0,09 dB
500 - 860 MHz	-0,19 dB	-0,14 dB
860 - 1000 MHz	-0,21 dB	-0,16 dB
1000 - 1750 MHz	-0,29 dB	-0,24 dB
1750 - 2150 MHz	-0,38 dB	-0,33 dB
2150 - 3000 MHz	-0,55 dB	-0,50 dB

Temperature

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

Intermodulation

3rd Order (@2x100mW)	IM3	IP3-value
	-121 dBc	+80 dBm

Inner Conductor Resistance

@ 1 A DC	3,0 mΩ
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Sealing Test

(IEC IP-code)	IP X7 1 meter / 30 minutes
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Insulation Resistance

@ 500 VDC	>200 GΩ
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O-rings

EPDM

Dielectric Strength

DC Test Voltage	2,0 KV
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Base Material

Body Parts	Brass CuZn39Pb3
Inner Conductor	Brass CuZn39Pb3 / BeCu

Max. Tensile Strength

Overall	250 N
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Plating

Body Parts	Nitin-6
Inner Conductor	Nitin-6 / Tin

Torsional Strength

(Connector / Cable)	*
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Insulators

PE / POM

Test performed by

Troels V. Kristensen

Date of release

November 06, 2007

Remarks

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

ISO 9001:2000 / ISO 14001 certified

Distributor:

CABELCON
connectors

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