

Item no.	99909410-01		Connector type	F-CX3 5.0 QM Short	
			For cable	Cavel TS80L	
Frequency Range	0.3 - 3000 MHz		Product photo		
Impedance (Nom.)	75 Ω				
Amp. Rating (measured)	Cable data				
(calculated)	Cable data				
Transfer Impedance (CoMeT)	Class A				
	<5.0 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	Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-30 dB	-32.8 dB	0.3 - 500 MHz	-0.06 dB	-0.01 dB
500 - 860 MHz	-29 dB	-32.2 dB	500 - 860 MHz	-0.06 dB	-0.01 dB
860 - 1000 MHz	-29 dB	-31.8 dB	860 - 1000 MHz	-0.06 dB	-0.01 dB
1000 - 1750 MHz	-26 dB	-29.2 dB	1000 - 1750 MHz	-0.07 dB	-0.02 dB
1750 - 2150 MHz	-26 dB	-28.9 dB	1750 - 2150 MHz	-0.09 dB	-0.04 dB
2150 - 3000 MHz	-24 dB	-27.2 dB	2150 - 3000 MHz	-0.12 dB	-0.07 dB
Temperature Installing	-5° to +50° C		Intermodulation 3rd Order (@2x+20dBm)	IM3 -145 dBc	
Operating	-40° to +70° C		Inner Conductor Resistance (@ 1 A DC)	Cable data	
Storing	-40° to +70° C		Insulation Resistance (@ 500 VDC)	>200 GΩ	
Sealing Test (IEC IP-code)	IP X8 10 meter / 8 hours		Dielectric Strength DC Test Voltage	Cable data	
O-rings	EPDM		Max. Tensile Strength Overall	>18 Kgf >177 N	
Base Material	Brass CuZn39Pb3 / POM		Torsional Strength (Connector / Cable)	* NATM	
Body Parts	Cable data		Test performed by	Søren B. Sørensen	
Inner Conductor	Cable data		Date of release	October 03, 2014	
Plating	Nitin-6				
Body Parts	Cable data				
Inner Conductor	Cable data				
Insulators	Cabel data				
Remarks	* Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip.				

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