

Item no.	49031300-01		Connector type	3.5/12M-TL313	
			For cable	Cavel 22/99FC	
Frequency Range	0.3 - 3000 MHz		Product photo		
Impedance (Nom.)	75 Ω				
Amp. Rating (measured)	12.5 A @10°C increase				
(calculated)	17.6 A @20°C increase				
Transfer Impedance (CoMeT)	Class A				
	<5.0 mΩ/m @ 5-30MHz				
	<0.28 mΩ/item @ 5-30MHz				
Screening Attenuation(CoMeT)	Class A + +				
	>105 dB @ 30-1000MHz				
	>95 dB @ 1000-3000MHz				
Return Loss (IEC 61169-1)	Better than	Typical	Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-31 dB	-34.1 dB	0.3 - 500 MHz	-0.08 dB	-0.03 dB
500 - 860 MHz	-31 dB	-34.1 dB	500 - 860 MHz	-0.10 dB	-0.05 dB
860 - 1000 MHz	-31 dB	-34.1 dB	860 - 1000 MHz	-0.11 dB	-0.06 dB
1000 - 1750 MHz	-23 dB	-25.7 dB	1000 - 1750 MHz	-0.14 dB	-0.09 dB
1750 - 2150 MHz	-22 dB	-25.0 dB	1750 - 2150 MHz	-0.14 dB	-0.09 dB
2150 - 3000 MHz	-22 dB	-25.0 dB	2150 - 3000 MHz	-0.14 dB	-0.09 dB
Temperature			Intermodulation	IM3	
Installing	-5° to +50° C		3rd Order (@2x+37dBm)	-140 dBc	
Operating	-40° to +70° C		Inner Conductor Resistance		
Storing	-40° to +70° C		(@ 1 A DC)	<0.6 mΩ	
Sealing Test			Insulation Resistance		
(IEC IP-code)	IP X8 30 meter / 8 hours		(@ 500 VDC)	>200 GΩ	
O-rings	EPDM		Dielectric Strength		
			DC Test Voltage	>3.5 KV	
Base Material			Max. Tensile Strength		
Body Parts	Brass CuZn39Pb3		Overall	>981 N	
Inner Conductor	Brass CuZn39Pb3		Inner Conductor	>245 N	
Plating			Torsional Strength		
Body Parts	Nitin-6		(Connector / Cable)	* NATM	
Inner Conductor	Nitin-6		Test performed by	Sven-Erik Sandberg	
Insulators	COC (Topas) / PP with Glass		Date of release	August 14, 2013	
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.