


Item no.	53010100-02		Connector type	FM-TL101	
			For cable	Draka Coax 9 AD 11 S	
Frequency Range	0.3 - 3000 MHz		Product photo		
Impedance (Nom.)	75 Ω				
Amp. Rating (measured)	5,5 A @10°C increase				
(calculated)	7,7 A @20°C increase				
Transfer Impedance (CoMeT)	Class A+				
	<2.5 mΩ/m @ 5-30MHz				
	<0.1 mΩ/item @ 5-30MHz				
Screening Attenuation(CoMeT)	Class A++				
	>135 dB @ 30-1000MHz				
	>135 dB @ 1000-2000MHz				
	>125 dB @ 2000-3000MHz				
Return Loss (IEC 61169-1)	Better than	Typical	Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-28 dB	-30.8 dB	0.3 - 500 MHz	-0.06 dB	-0.01 dB
500 - 860 MHz	-25 dB	-27.5 dB	500 - 860 MHz	-0.06 dB	-0.01 dB
860 - 1000 MHz	-24 dB	-26.6 dB	860 - 1000 MHz	-0.07 dB	-0.02 dB
1000 - 1750 MHz	-22 dB	-25.4 dB	1000 - 1750 MHz	-0.07 dB	-0.02 dB
1750 - 2150 MHz	-22 dB	-25.2 dB	1750 - 2150 MHz	-0.07 dB	-0.02 dB
2150 - 3000 MHz	-22 dB	-25.2 dB	2150 - 3000 MHz	-0.07 dB	-0.02 dB
Temperature Installing	-5° to +50° C		Intermodulation 3rd Order (@2x+27dBm)	IM3 -135 dBc	
Operating	-40° to +70° C		Inner Conductor Resistance (@ 1 A DC)	<2.0 mΩ	
Storing	-40° to +70° C		Insulation Resistance (@ 500 VDC)	>200 GΩ	
Sealing Test (IEC IP-code)	IP X8 30 meter / 8 hours		Dielectric Strength DC Test Voltage	>2.0 KV	
O-rings	EPDM		Max. Tensile Strength Overall	>20.4 Kgf >200 N	
Base Material			Torsional Strength (Connector / Cable)	* NATM	
Body Parts	Brass CuZn39Pb3		Test performed by	Søren B. Sørensen	
Inner Conductor	Brass CuZn39Pb3 / Beryllium copper		Date of release	May 22, 2014	
Plating			Remarks	* Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip.	
Body Parts	Nitin-6				
Inner Conductor	Nitin-6				
Insulators	PE / PP with Glass				

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