


Item no.	31000101-01		Connector type	SP TL101	
			For cable	Draka Coax9 AD 11 S	
Frequency Range	0.3 - 3000 MHz		Product photo		
Impedance (Nom.)	75 Ω				
Amp. Rating (measured)	7.0 A @10°C increase				
	(calculated)		9.8 A @20°C increase		
Transfer Impedance (CoMeT)	Class A+				
	<2.5 mΩ/m @ 5-30MHz				
	<0.13 mΩ/item @ 5-30MHz				
Screening Attenuation(CoMeT)	Class A++				
	>120 dB @ 30-1000MHz				
	>120 dB @ 1000-2000MHz				
	>120 dB @ 2000-3000MHz				
Return Loss (IEC 61169-1)	Better than	Typical	Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-24 dB	-27.4 dB	0.3 - 500 MHz	-0.09 dB	-0.04 dB
500 - 860 MHz	-23 dB	-25.7 dB	500 - 860 MHz	-0.09 dB	-0.04 dB
860 - 1000 MHz	-22 dB	-25.3 dB	860 - 1000 MHz	-0.13 dB	-0.08 dB
1000 - 1750 MHz	-22 dB	-24.9 dB	1000 - 1750 MHz	-0.16 dB	-0.11 dB
1750 - 2150 MHz	-22 dB	-24.9 dB	1750 - 2150 MHz	-0.16 dB	-0.11 dB
2150 - 3000 MHz	-22 dB	-24.9 dB	2150 - 3000 MHz	-0.16 dB	-0.11 dB
Temperature			Intermodulation	IM3	
Installing	-5° to +50° C		3rd Order (@2x+27dBm)	-132 dBc	
Operating	-40° to +70° C		Inner Conductor Resistance	@ 1 A DC	
Storing	-40° to +70° C			<1.5 mΩ	
Sealing Test			Insulation Resistance	@ 500 VDC	
(IEC IP-code)	IP X8 30 meter / 8 hours			>200 GΩ	
O-rings	EPDM		Dielectric Strength	DC Test Voltage	
				>2.5 KV	
Base Material			Max. Tensile Strength	Overall	
Body Parts	Brass CuZn39Pb3			>18.3 Kgf	
Inner Conductor	Brass CuZn39Pb3 / Beryllium copper			>180 N	
Plating			Torsional Strength	(Connector / Cable)	
Body Parts	Nitin-6			* NATM	
Inner Conductor	Nitin-6		Test performed by	Sven-Erik Sandberg	
Insulators	PP with Glass		Date of release	May 21, 2014	
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.*