Cabelcon
An Amphenol Company

Datasheet

Item no.	31000101-02

SP TL101
Draka Coax9 AD 11 S

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ohm
	7.0 A @10°C increase
(calculated)	9.8 A @20°C increase

Product photo

Transfer Impedance (CoMeT)	Class A+
	<2.5 mΩ/m @ 5-30MHz
	<0.14 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
0.3 - 500 MHz	-25 dB	-27.9 dB
500 - 860 MHz	-23 dB	-25.8 dB
860 - 1000 MHz	-22 dB	-25.1 dB
1000 - 1750 MHz	-22 dB	-24.3 dB
1750 - 2150 MHz	-22 dB	-24.3 dB
2150 - 3000 MHz	-22 dB	-24.3 dB

Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-0.06 dB	-0.01 dB
500 - 860 MHz	-0.06 dB	-0.01 dB
860 - 1000 MHz	-0.06 dB	-0.01 dB
1000 - 1750 MHz	-0.07 dB	-0.02 dB
1750 - 2150 MHz	-0.07 dB	-0.02 dB
2150 - 3000 MHz	-0.07 dB	-0.02 dB

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

Intermodulation	IM3	
3rd Order (@2x+27dBm)	-132 dBc	

Inner Conductor Resistance	
(@ 1 A DC)	<1.5 mΩ

Sealing Test	
(IEC IP-code)	IP X8 30 meter / 8 hours

Insulation Resistance	
(@ 500 VDC)	>200 GΩ

Dielectric Strength	
DC Test Voltage	>2.5 KV

O-rings	EPDM

Base Material	
Body Parts	Brass CuZn39Pb3
Inner Conductor	Brass CuZn39Pb3 / Beryllium copper

Max. Tensile Strength	
Overall	>18.3 Kgf
	>180 N

Plating	
Body Parts	Nitin-6
Inner Conductor	Nitin-6

Torsional Strength	
(Connector / Cable)	* NATM

Insulators	Cabel data

Test performed by	Sven-Erik Sandberg
Date of release	June 23, 2015

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.

Distributor:

Amphenol Cabelcon ApS

Industriparken 10, DK-4760 Vordingborg
Tel:+45 55985599 Cabelcon@cabelcon.com
www.cabelcon.com