Cabelcon
An Amphenol Company

Datasheet

Item no.	99909941-01

F-6-TD 4,9
Ören, HD 103 A++ Eca

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ohm
Amp. Rating (measured)	Cable data
(calculated)	Cable data

Product photo



Transfer Impedance (CoMeT)	Class A++
	0,35 mΩ/m @ 5-30MHz
	0,09 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
0.3 - 500 MHz	-39 dB	-42.2 dB
500 - 860 MHz	-39 dB	-42.2 dB
860 - 1000 MHz	-39 dB	-42.2 dB
1000 - 1750 MHz	-39 dB	-41.9 dB
1750 - 2150 MHz	-39 dB	-41.9 dB
2150 - 3000 MHz	-38 dB	-41.3 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	-0.08 dB	-0.03 dB
2150 - 3000 MHz	-0.10 dB	-0.05 dB

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

Intermodulation	IM3	
3rd Order (@2x+23dBm)	-167 dBc	

Inner Conductor Resistance (@ 1 A DC)	Cable data

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

Insulation Resistance (@ 500 VDC)	>200 GΩ

Dielectric Strength	
DC Test Voltage	>6 KV

O-rings	EPDM

Base Material	
Body Parts	Brass CuZn39Pb3
Inner Conductor	Cable data

Max. Tensile Strength	
Overall	>22 Kgf
	>215 N

Plating	
Body Parts	Nitin-6
Inner Conductor	Nitin-6

Torsional Strength	
(Connector / Cable)	* NATM

Insulators	Cabel data

Test performed by	Søren Baldus-Kunze
Date of release	May 2, 2019

Remarks * Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip. 360 Deg rotation result in cable failure/shear.

Connector designed according to the standard IEC 61169-24 (type F)
All tests performed using instruments calibrated in accordance to our ISO 9001 certification.
Further technical specifications and installation instructions can be obtained on request.

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