

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 Cable data
(measured)
(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

	Better than	Typical
Return Loss (IEC 61169-1) 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

	Better than	Typical
Insertion Loss Max. 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

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

Inner Conductor Resistance
(@ 1 A DC) Cable data

Insulation Resistance
(@ 500 VDC) >200 GΩ

O-rings EPDM

Dielectric Strength
DC Test Voltage >6 KV

Base Material
Body Parts Brass CuZn39Pb3
Inner Conductor Cable data

Max. Tensile Strength
Overall >22 Kg
>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.