

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)

**Transfer Impedance (CoMeT)** Class A++

**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

Product photo



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

**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 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.*