

Item no. **99909941-01**

Connector type **F-6-TD 4,9**  
For cable **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**

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.*