

Item no. 99909445-04

Connector type F-6-TD 5.1 SHORT  
 For cable Ören HD113

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+  
<2.5 mΩ/m @ 5-30MHz  
<0.6 mΩ/item @ 5-30MHz  
 Screening Attenuation(CoMeT) Class A++  
> 95 dB @ 30-1000MHz  
> 85 dB @ 1000-2000MHz  
> 75 dB @ 2000-3000MHz

Return Loss (IEC 61169-1)	Better than	Typical
0.3 - 500 MHz	-33 dB	-36.1 dB
500 - 860 MHz	-32 dB	-35.0 dB
860 - 1000 MHz	-32 dB	-34.6 dB
1000 - 1750 MHz	-29 dB	-32.4 dB
1750 - 2150 MHz	-28 dB	-31.3 dB
2150 - 3000 MHz	-27 dB	-29.5 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	-0.06 dB	-0.01 dB
1750 - 2150 MHz	-0.06 dB	-0.01 dB
2150 - 3000 MHz	-0.06 dB	-0.01 dB

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

Intermodulation IM3  
 3rd Order (@2x0,5W) -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) Cable data

O-rings EPDM

Dielectric Strength DC Test Voltage Cable data

Base Material  
 Body Parts Brass CuZn39Pb3  
 Inner Conductor Cable data

Max. Tensile Strength Overall > 18 Kgf  
>177 N

Plating  
 Body Parts Nitin-6  
 Inner Conductor Cable data

Torsional Strength (Connector / Cable) \* NATM

Insulators Cabel data

Test performed by Susanne Lindharth  
 Approved by Søren Baldus-Kunze  
 Date of release December 18, 2020

Remarks \* Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip. Tensile strength can be limited by the strength of the cable. Please refer to the cable data.

*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.*