

Item no. **99909946**

Connector type **F-6-TD 5.1**  
For cable **HQ 113 (1.1/4.8) PE Class A+**

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**  
**<0.68 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	-37 dB	-39.5 dB
500 - 860 MHz	-36 dB	-38.6 dB
860 - 1000 MHz	-35 dB	-37.9 dB
1000 - 1750 MHz	-32 dB	-35.1 dB
1750 - 2150 MHz	-32 dB	-35.0 dB
2150 - 3000 MHz	-25 dB	-29.3 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	-0.06 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 (@2\*0.2W) **-155 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 **>23 Kgf**  
**>226 N**

Plating  
Body Parts **Nitin-6**  
Inner Conductor **Cable data**

Torsional Strength (Connector / Cable) **\* NATM**

Insulators **Cabel data**

Test performed by **Susanne Lindharth**  
Date of release **May 29, 2019**

Remarks **\* Not Able To Measure(NATM): The cable starts to twist without the connector losing its grip.**

*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.*