

Item no. **53044400-01**

Connector type **FM-TL444**
For cable **Cavel TS 2.7/11.5J**

Frequency Range **0.3 - 3000 MHz**
Impedance (Nom.) **75 Ohm**
Amp. Rating (measured) **4.5 A @10°C increase**
(calculated) **6.3 A @20°C increase**

Product photo



Transfer Impedance (CoMeT) **Class A++**
<0.9 mΩ/m @ 5-30MHz
<0.06 mΩ/item @ 5-30MHz

Screening Attenuation(CoMeT) **Class A++**
>125 dB @ 30-1000MHz
>125 dB @ 1000-2000MHz
>115 dB @ 2000-3000MHz

Return Loss (IEC 61169-1)	Better than	Typical
	0.3 - 500 MHz	-31 dB
500 - 860 MHz	-28 dB	-30.8 dB
860 - 1000 MHz	-27 dB	-29.8 dB
1000 - 1750 MHz	-24 dB	-26.8 dB
1750 - 2150 MHz	-23 dB	-25.6 dB
2150 - 3000 MHz	-22 dB	-24.5 dB

Insertion Loss Max.	Better than	Typical
	0.3 - 500 MHz	-0.06 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	-0.07 dB	-0.02 dB
2150 - 3000 MHz	-0.08 dB	-0.03 dB

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

Intermodulation **IM3**
3rd Order (@2x+30dBm) **-125 dBc**

Inner Conductor Resistance (@ 1 A DC) **<1.0 mΩ**

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 **>3.5 KV**

Base Material
Body Parts **Brass CuZn39Pb3**
Inner Conductor **Brass CuZn39Pb3**

Max. Tensile Strength
Overall **>932 N**
Inner Conductor **>500 N**

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

Torsional Strength (Connector / Cable) **>2.5 Nm**

Insulators **PP with Glass / COC (Topas)**

Test performed by **Søren B. Sørensen**
Date of release **July 26, 2016**

Remarks

All tests performed using instruments calibrated in accordance to our ISO 9001 certification. Further technical specifications and installation instructions can be obtained on request.