

Item no. **53023200-01**

Connector type **FM-TL232**
For cable **for Cavel serie RG11 cables**

Frequency Range **0.3 - 3000 MHz**
Impedance (Nom.) **75 Ω**
Amp. Rating (measured) **5.0 A @10°C increase**
(calculated) **7.0 A @20°C increase**

Product photo



Transfer Impedance (CoMeT) **Class A +**
<2.5 mΩ/m @ 5-30MHz
<0.14 mΩ/item @ 5-30MHz
Screening Attenuation(CoMeT) **Class A + +**
>105 dB @ 30-1000MHz
>100 dB @ 1000-2000MHz
>95 dB @ 2000-3000MHz

	Better than	Typical
Return Loss (IEC 61169-1)		
0.3 - 500 MHz	-32 dB	-34.4 dB
500 - 860 MHz	-29 dB	-32.3 dB
860 - 1000 MHz	-29 dB	-31.8 dB
1000 - 1750 MHz	-25 dB	-28.3 dB
1750 - 2150 MHz	-25 dB	-27.4 dB
2150 - 3000 MHz	-25 dB	-27.4 dB

	Better than	Typical
Insertion Loss Max.		
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
3rd Order (@2x+30dBm) **IM3**
-135 dBc

Inner Conductor Resistance
(@ 1 A DC) **<1.8 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 **>2.0 KV**

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

Max. Tensile Strength
Overall **>500 N**
Inner Conductor **>250 N**

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

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

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

Test performed by **Sven-Erik Sandberg**
Date of release **December 12, 2014**

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

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

ISO 9001:2008



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