Cabelcon Datasheet

Item no.	99909484-04
Connector type	IECM-6-TD 4.9
For cable	280050

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ohm
Amp. Rating (measured)	5.5 A @10°C increase
(calculated)	7,7 A @20°C increase

Product photo

Transfer Impedance (CoMeT)	Class A
	<5.0 mΩ/m @ 5-30MHz
	<1.5 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	-19 dB	-22.3 dB
500 - 860 MHz	-18 dB	-21.3 dB
860 - 1000 MHz	-18 dB	-20.9 dB
1000 - 1750 MHz	-16 dB	-18.9 dB
1750 - 2150 MHz	-15 dB	-17.9 dB
2150 - 3000 MHz	-13 dB	-16.2 dB

Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-0.06 dB	-0.01 dB
500 - 860 MHz	-0.10 dB	-0.05 dB
860 - 1000 MHz	-0.10 dB	-0.05 dB
1000 - 1750 MHz	-0.24 dB	-0.19 dB
1750 - 2150 MHz	-0.32 dB	-0.27 dB
2150 - 3000 MHz	-0.50 dB	-0.45 dB

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

Intermodulation	IM3	
3rd Order (@2x+27dBm)	-160 dBc	
Inner Conductor Resistance (@ 1 A DC)	<0.6 Cable data	
Insulation Resistance (@ 500 VDC)	>200 GΩ	
Dielectric Strength DC Test Voltage	>2.5 KV	

Sealing Test (IEC IP-code)	-
O-rings	-

Base Material		Max. Tensile Strength
Body Parts	Brass / POM	Overall > 28 Kgf
Inner Conductor	Beryllium copper	> 275 N
Plating		Torsional Strength
Body Parts	Nitin	(Connector / Cable) * NATM
Inner Conductor	Nitin	
Insulators	PE	

Test performed by	Susanne Lindharth
Approved by	Søren Baldus-Kunze
Date of release	July 13, 2021

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
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 / ISO 14001 certified

Distributor:

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