CORNING | Cabelcon

Datasheet

Item no.	55041400-01

Connector type	FF-TL414
For cable	CommScope CA 514 JSC

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++
	<0.9 mΩ/m @ 5-30MHz
	<0.07 mΩ/item @ 5-30MHz
Screening Attenuation(CoMeT)	Class A++
	>125 dB @ 30-1000MHz
	>120 dB @ 1000-2000MHz
	>115 dB @ 2000-3000MHz

Return Loss (IEC 61169-1)

	Better than	Typical
0.3 - 500 MHz	-42 dB	-45.1 dB
500 - 860 MHz	-40 dB	-42.5 dB
860 - 1000 MHz	-38 dB	-40.6 dB
1000 - 1750 MHz	-29 dB	-32.2 dB
1750 - 2150 MHz	-28 dB	-31.4 dB
2150 - 3000 MHz	-27 dB	-29.8 dB

Insertion Loss Max.

	Better than	Typical
0.3 - 500 MHz	-0.07 dB	-0.02 dB
500 - 860 MHz	-0.07 dB	-0.02 dB
860 - 1000 MHz	-0.07 dB	-0.02 dB
1000 - 1750 MHz	-0.08 dB	-0.03 dB
1750 - 2150 MHz	-0.08 dB	-0.03 dB
2150 - 3000 MHz	-0.11 dB	-0.06 dB

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

Intermodulation	IM3	
3rd Order (@2x+30dBm)	-155 dBc	

Inner Conductor Resistance (@ 1 A DC)	<7.0 mΩ
Sealing Test (IEC IP-code)	IP X8 30 meter / 8 hours
Insulation Resistance (@ 500 VDC)	>200 GΩ
Dielectric Strength DC Test Voltage	>3.0 KV
O-rings	EPDM

Base Material	
Body Parts	Brass CuZn39Pb3
Inner Conductor	Brass CuZn39Pb3 / Beryllium copper

Max. Tensile Strength	
Overall	>933 N
Inner Conductor	>500 N

Plating	
Body Parts	Nitin-6
Inner Conductor	Nitin-6
Insulators	COC (Topas) / PP with Glass / POM
Torsional Strength (Connector / Cable)	>5.0 Nm
Test performed by	Søren B. Sørensen
Date of release	January 13, 2005

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.

ISO 9001:2008 / ISO 14001 certified

Distributor:

Corning Cabelcon ApS
Industriparken 10, DK-4760 Vordingborg, Denmark
Tel: +45 55 98 55 99 Fax: +45 55 98 55 04
cabelcon@corning.com www.cabelcon.dk

Corning Public