

Item no.	53041400-02

FM-TL414
CommScope CA 514 JSC

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

Product photo



Transfer Impedance (CoMeT)	Class A++
	<0.9 m Ω /m @ 5-30MHz
	<0.06 m Ω /item @ 5-30MHz
Screening Attenuation(CoMeT)	Class A++
	>110 dB @ 30-1000MHz
	>105 dB @ 1000-2000MHz
	>100 dB @ 2000-3000MHz

Return Loss (IEC 61169-1)	Better than	Typical
0.3 - 500 MHz	-34 dB	-36,6 dB
500 - 860 MHz	-34 dB	-36.5 dB
860 - 1000 MHz	-34 dB	-36.5 dB
1000 - 1750 MHz	-34 dB	-36.4 dB
1750 - 2150 MHz	-34 dB	-36.4 dB
2150 - 3000 MHz	-29 dB	-32.1 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 (@2x+30dBm)	-160 dBc

Inner Conductor Resistance (@ 1 A DC)	<1.0 m Ω
---------------------------------------	-----------------

Sealing Test (IEC IP-code)	IP X8 30 meter / 8 hours
----------------------------	--------------------------

Insulation Resistance (@ 500 VDC)	>200 G Ω
-----------------------------------	-----------------

O-rings	EPDM
---------	------

Dielectric Strength DC Test Voltage	>3.0 KV
-------------------------------------	---------

Base Material	
Body Parts	Brass CuZn39Pb3
Inner Conductor	Brass CuZn39Pb3

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

Plating	
Body Parts	Nitin-6
Inner Conductor	Nitin-6

Torsional Strength (Connector / Cable)	>5.0 Nm
--	---------

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

Test performed by	Søren B. Sørensen
Date of release	December 23, 2013

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.*