


Item no.	53041400-02		Connector type	FM-TL414	
			For cable	CommScope CA 514 JSC	
Frequency Range	0.3 - 3000 MHz		Product photo		
Impedance (Nom.)	75 Ω				
Amp. Rating (measured)	5.0 A @10°C increase				
(calculated)	7.0 A @20°C increase				
Transfer Impedance (CoMeT)	Class A++				
	<0.9 mΩ/m @ 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	Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-34 dB	-36,6 dB	0.3 - 500 MHz	-0.06 dB	-0.01 dB
500 - 860 MHz	-34 dB	-36.5 dB	500 - 860 MHz	-0.06 dB	-0.01 dB
860 - 1000 MHz	-34 dB	-36.5 dB	860 - 1000 MHz	-0.06 dB	-0.01 dB
1000 - 1750 MHz	-34 dB	-36.4 dB	1000 - 1750 MHz	-0.06 dB	-0.01 dB
1750 - 2150 MHz	-34 dB	-36.4 dB	1750 - 2150 MHz	-0.06 dB	-0.01 dB
2150 - 3000 MHz	-29 dB	-32.1 dB	2150 - 3000 MHz	-0.06 dB	-0.01 dB
Temperature			Intermodulation	IM3	
Installing	-5° to +50° C		3rd Order (@2x+30dBm)	-160 dBc	
Operating	-40° to +70° C		Inner Conductor Resistance	(<1.0 mΩ	
Storing	-40° to +70° C		(@ 1 A DC)		
Sealing Test			Insulation Resistance	(>200 GΩ	
(IEC IP-code)	IP X8 30 meter / 8 hours		(@ 500 VDC)		
O-rings	EPDM		Dielectric Strength	(>3.0 KV	
			DC Test Voltage		
Base Material			Max. Tensile Strength		
Body Parts	Brass CuZn39Pb3		Overall	>933 N	
Inner Conductor	Brass CuZn39Pb3		Inner Conductor	>500 N	
Plating			Torsional Strength		
Body Parts	Nitin-6		(Connector / Cable)	>5.0 Nm	
Inner Conductor	Nitin-6		Test performed by	Søren B. Sørensen	
Insulators	COC (Topas) / PP with Glass		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.