


Item no.	53061600-01		FM-TL616
			CommScope CA 519 JSC
Frequency Range	0.3 - 3000 MHz	Product photo	
Impedance (Nom.)	75 Ω		
	5.0 A @10°C increase		
(calculated)	7.0 A @20°C increase		
Transfer Impedance (CoMeT)	Class A++		
	<0.9 mΩ/m @ 5-30MHz		
	<0.01 mΩ/item @ 5-30MHz		
Screening Attenuation(CoMeT)	Class A++		
	>140 dB @ 30-1000MHz		
	>140 dB @ 1000-2000MHz		
	>130 dB @ 2000-3000MHz		
Return Loss (IEC 61169-1)	Better than	Typical	Insertion Loss Max.
0.3 - 500 MHz	-42 dB	-44.9 dB	0.3 - 500 MHz
500 - 860 MHz	-38 dB	-40.8 dB	500 - 860 MHz
860 - 1000 MHz	-36 dB	-39.0 dB	860 - 1000 MHz
1000 - 1750 MHz	-30 dB	-33.1 dB	1000 - 1750 MHz
1750 - 2150 MHz	-29 dB	-31.7 dB	1750 - 2150 MHz
2150 - 3000 MHz	-25 dB	-28.4 dB	2150 - 3000 MHz
Temperature			Better than
Installing	-5° to +50° C		Typical
Operating	-40° to +70° C		
Storing	-40° to +70° C		
Sealing Test (IEC IP-code)	IP X8 30 meter / 8 hours	Intermodulation 3rd Order (@2x+37dBm)	IM3 -162 dBc
		Inner Conductor Resistance (@ 1 A DC)	<1.2 mΩ
		Insulation Resistance (@ 500 VDC)	>200 GΩ
		Dielectric Strength DC Test Voltage	>2.0 kV
O-rings	EPDM	Max. Tensile Strength Overall	>1962 N
Base Material	Brass CuZn39Pb3	Inner Conductor	>300 N
Body Parts	Brass CuZn39Pb3		
Inner Conductor			
Plating		Torsional Strength (Connector / Cable)	>7.0 Nm
Body Parts	Nitin-6		
Inner Conductor	Nitin-6		
Insulators	COC (Topas) / PP with Glass	Test performed by	Sven-Erik Sandberg
		Date of release	March 18, 2014
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.