

Item no.	53054003-01		Connector type	FM-TL540TI	
			For cable	CommScope QR 540 JCA	
Frequency Range	0.3 - 3000 MHz		Product photo		
Impedance (Nom.)	75 Ω				
Amp. Rating (measured)	4.5 A @10°C increase				
(calculated)	6.3 A @20°C increase				
Transfer Impedance (CoMeT)	Class A++				
	<0.9 mΩ/m @ 5-30MHz				
Screening Attenuation(CoMeT)	Class A++				
	>130 dB @ 30-1000MHz				
	>130 dB @ 1000-2000MHz				
	>120 dB @ 2000-3000MHz				
Return Loss (IEC 61169-1)	Better than	Typical	Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-35 dB	38.0 dB	0.3 - 500 MHz	-0.06 dB	-0.01 dB
500 - 860 MHz	-33 dB	-36.4 dB	500 - 860 MHz	-0.06 dB	-0.01 dB
860 - 1000 MHz	-33 dB	-36.2 dB	860 - 1000 MHz	-0.06 dB	-0.01 dB
1000 - 1750 MHz	-33 dB	-35.7 dB	1000 - 1750 MHz	-0.06 dB	-0.01 dB
1750 - 2150 MHz	-32 dB	-34.7 dB	1750 - 2150 MHz	-0.06 dB	-0.01 dB
2150 - 3000 MHz	-30 dB	-32.7 dB	2150 - 3000 MHz	-0.06 dB	-0.01 dB
Temperature			Intermodulation	IM3	
Installing	-5° to +50° C		3rd Order (@2x+30dBm)	-155 dBc	
Operating	-40° to +70° C		Inner Conductor Resistance	(@ 1 A DC)	
Storing	-40° to +70° C			<1.5 mΩ	
Sealing Test			Insulation Resistance	(@ 500 VDC)	
(IEC IP-code)	IP X8 30 meter / 8 hours			>200 GΩ	
O-rings	EPDM		Dielectric Strength	DC Test Voltage	
				>2.0 KV	
Base Material			Max. Tensile Strength		
Body Parts	Brass CuZn39Pb3		Overall	>1800 N	
Inner Conductor	Brass CuZn39Pb3		Inner Conductor	>500 N	
Plating			Torsional Strength	(Connector / Cable)	
Body Parts	Nitin-6			>6.5 Nm	
Inner Conductor	Nitin-6		Test performed by	Sven-Erik Sandberg	
Insulators	COC (Topas) / PP with Glass		Date of release	January 08, 2015	
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.