


Item no.	53052500-01		Connector type	FM-TL525	
			For cable	CommScope CL 3.3/13.5	
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)	<0.05 mΩ/item @ 5-30MHz				
	Class A++				
	>145 dB @ 30-1000MHz				
	>130 dB @ 1000-3000MHz				
Return Loss (IEC 61169-1)	Better than	Typical	Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-36 dB	-39.3 dB	0.3 - 500 MHz	-0.06 dB	-0.01 dB
500 - 860 MHz	-35 dB	-37.4 dB	500 - 860 MHz	-0.07 dB	-0.02 dB
860 - 1000 MHz	-33 dB	-36.2 dB	860 - 1000 MHz	-0.07 dB	-0.02 dB
1000 - 1750 MHz	-31 dB	-33.8 dB	1000 - 1750 MHz	-0.08 dB	-0.03 dB
1750 - 2150 MHz	-27 dB	-30.2 dB	1750 - 2150 MHz	-0.08 dB	-0.03 dB
2150 - 3000 MHz	-20 dB	-22.8 dB	2150 - 3000 MHz	-0.11 dB	-0.06 dB
Temperature Installing	-5° to +50° C		Intermodulation 3rd Order (@2x+37dBm)	IM3	
Operating	-40° to +85° C			-160 dBc	
Storing	-40° to +85° C		Inner Conductor Resistance (@ 1 A DC)	<1.5 mΩ	
Sealing Test (IEC IP-code)	IP X8 30 meter / 8 hours		Insulation Resistance (@ 500 VDC)	>200 GΩ	
O-rings	EPDM		Dielectric Strength DC Test Voltage	>3.0 KV	
Base Material			Max. Tensile Strength Overall	>1962 N	
Body Parts	Brass CuZn39Pb3		Inner Conductor	>500 N	
Inner Conductor	Brass CuZn39Pb3		Torsional Strength (Connector / Cable)	>8.0 Nm	
Plating			Test performed by	Søren B. Sørensen	
Body Parts	Nitin-6		Date of release	May 24, 2013	
Inner Conductor	Nitin-6				
Insulators	COC (Topas) / PP with Glass				
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.