

Item no.	31000414-01		Connector type	SP TL414	
			For cable	CommScope CA 514 JSC	
Frequency Range	0.3 - 3000 MHz		Product photo		
Impedance (Nom.)	75 Ω				
Amp. Rating (measured)	20.5 A @10°C increase				
(calculated)	28.9 A @20°C increase				
Transfer Impedance (CoMeT)	Class A+ +				
	<0.9 mΩ/m @ 5-30MHz				
	<0.09 mΩ/item @ 5-30MHz				
Screening Attenuation(CoMeT)	Class A+ +				
	>135 dB @ 30-1000MHz				
	>130 dB @ 1000-2000MHz				
	>125 dB @ 2000-3000MHz				
Return LOSS (IEC 61169-1)	Better than	Typical	Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-30 dB	-33.2 dB	0.3 - 500 MHz	-0.12 dB	-0.07 dB
500 - 860 MHz	-26 dB	-29.4 dB	500 - 860 MHz	-0.20 dB	-0.15 dB
860 - 1000 MHz	-26 dB	-28.6 dB	860 - 1000 MHz	-0.24 dB	-0.19 dB
1000 - 1750 MHz	-22 dB	-25.3 dB	1000 - 1750 MHz	-0.60 dB	-0.55 dB
1750 - 2150 MHz	-20 dB	-22.4 dB	1750 - 2150 MHz	-0.65 dB	-0.60 dB
2150 - 3000 MHz	-16 dB	-18.5 dB	2150 - 3000 MHz	-0.68 dB	-0.63 dB
Temperature			Intermodulation	IM3	
Installing	-5° to +50° C		3rd Order (@2x+37dBm)	-155 dBc	
Operating	-40° to +70° C				
Storing	-40° to +70° C		Inner Conductor Resistance (@ 1 A DC)	<0.7 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	>3.5 KV	
Base Material			Max. Tensile Strength		
Body Parts	Brass CuZn39Pb3		Overall	>933 N	
Inner Conductor	Brass CuZn39Pb3		Inner Conductor	>500 N	
Plating			Torsional Strength (Connector / Cable)	>5.0 Nm	
Body Parts	Nitin-6				
Inner Conductor	Nitin-6				
Insulators	PP with Glass / COC (Topas)		Test performed by	Søren B. Sørensen	
			Date of release	November 29, 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.