


Item no.	31000413-01		Connector type	SP TL413	
			For cable	Belden Coax4 Foam FB14 PE	
Frequency Range	0.3 - 3000 MHz		Product photo		
Impedance (Nom.)	75 Ω				
Amp. Rating (measured)	18.5 A @10°C increase				
(calculated)	26.1 A @20°C increase				
Transfer Impedance (CoMeT)	Class A+				
	<2.5 mΩ/m @ 5-30MHz				
	<0.27 mΩ/item @ 5-30MHz				
Screening Attenuation(CoMeT)	Class A++				
	>115 dB @ 30-1000MHz				
	>110 dB @ 1000-2000MHz				
	>105 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	-0.08 dB	-0.03 dB
500 - 860 MHz	-33 dB	-35.7 dB	500 - 860 MHz	-0.09 dB	-0.04 dB
860 - 1000 MHz	-32 dB	-34.9 dB	860 - 1000 MHz	-0.09 dB	-0.04 dB
1000 - 1750 MHz	-22 dB	-25.1 dB	1000 - 1750 MHz	-0.11 dB	-0.06 dB
1750 - 2150 MHz	-19 dB	-22.0 dB	1750 - 2150 MHz	-0.13 dB	-0.08 dB
2150 - 3000 MHz	-17 dB	-19.6 dB	2150 - 3000 MHz	-0.18 dB	-0.13 dB
Temperature			Intermodulation	IM3	
Installing	-5° to +50° C		3rd Order (@2x+37dBm)	-145 dBc	
Operating	-40° to +70° C				
Storing	-40° to +70° C		Inner Conductor Resistance (@ 1 A DC)	<0.8 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 Overall	>1324 N	
Body Parts	Brass CuZn39Pb3		Inner Conductor	>500 N	
Inner Conductor	Brass CuZn39Pb3		Torsional Strength (Connector / Cable)	* NATM	
Plating			Test performed by	Sven-Erik Sandberg	
Body Parts	Nitin-6		Date of release	July 24, 2014	
Inner Conductor	Nitin-6				
Insulators	COC (Topas) / PP with Glass				

Remarks * Not Able To Measure(NATM): The cable starts to twist without the connector loosing its grip.

All tests performed using instruments calibrated in accordance to our ISO 9001 certification. Further technical specifications and installation instructions can be obtained on request.