


Item no.	31000646-01		Connector type	SP TL646	
			For cable	Belden Coax 3 FOAM FB 20	
Frequency Range	0.3 - 3000 MHz		Product photo		
Impedance (Nom.)	75 Ω				
Amp. Rating (measured)	22.0 A @10°C increase				
	(calculated)		31.1 A @20°C increase		
Transfer Impedance (CoMeT)	Class A+				
	<2.5 mΩ/m @ 5-30MHz				
	<0.93 mΩ/item @ 5-30MHz				
Screening Attenuation(CoMeT)	Class A++				
	>105 dB @ 30-1000MHz				
	>105 dB @ 1000-2000MHz				
	>100 dB @ 2000-3000MHz				
Return Loss (IEC 61169-1)	Better than	Typical	Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-43 dB	-46.0 dB	0.3 - 500 MHz	-0.07 dB	-0.02 dB
500 - 860 MHz	-43 dB	-46.0 dB	500 - 860 MHz	-0.07 dB	-0.02 dB
860 - 1000 MHz	-43 dB	-46.0 dB	860 - 1000 MHz	-0.07 dB	-0.02 dB
1000 - 1750 MHz	-27 dB	-29.7 dB	1000 - 1750 MHz	-0.08 dB	-0.03 dB
1750 - 2150 MHz	-21 dB	-24.0 dB	1750 - 2150 MHz	-0.12 dB	-0.07 dB
2150 - 3000 MHz	-17 dB	-20.1 dB	2150 - 3000 MHz	-0.17 dB	-0.12 dB
Temperature			Intermodulation	IM3	
Installing	-5° to +50° C		3rd Order (@2x+30dBm)	-135 dBc	
Operating	-40° to +70° C		Inner Conductor Resistance	(<1.2 mΩ	
Storing	-40° to +70° C		(@ 1 A DC)		
Sealing Test			Insulation Resistance	(>200 GΩ	
(IEC IP-code)	IP X8 30 meter / 8 hours		(@ 500 VDC)		
O-rings	EPDM		Dielectric Strength	(>3.5 KV	
			DC Test Voltage		
Base Material			Max. Tensile Strength	(>1500 N	
Body Parts	Brass CuZn39Pb3		Overall		
Inner Conductor	Brass CuZn39Pb3		Inner Conductor	(>500 N	
Plating			Torsional Strength	(>4.0 Nm	
Body Parts	Nitin-6		(Connector / Cable)		
Inner Conductor	Nitin-6		Test performed by	Sven-Erik Sandberg	
Insulators	COC (Topas) / PP with Glass		Date of release	July 28, 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.