

Item no. 31020506-01

Connector type SP TL506TI

For cable Times Fiber TX 10565J

Frequency Range	0.3 - 3000 MHz
Impedance (Nom.)	75 Ω
Amp. Rating (measured)	27.0 A @10°C increase
(calculated)	38.1 A @20°C increase

Product photo



Transfer Impedance (CoMeT)	Class A++
	<0.9 m Ω /m @ 5-30MHz
	<0.09 m Ω /item @ 5-30MHz
Screening Attenuation(CoMeT)	Class A++
	>140 dB @ 30-1000MHz
	>135 dB @ 1000-3000MHz

Return Loss (IEC 61169-1)	Better than	Typical
0.3 - 500 MHz	-35 dB	-38.1 dB
500 - 860 MHz	-35 dB	-38.1 dB
860 - 1000 MHz	-35 dB	-38.1 dB
1000 - 1750 MHz	-22 dB	-24.6 dB
1750 - 2150 MHz	-17 dB	-20.4 dB
2150 - 3000 MHz	-17 dB	-20.2 dB

Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-0.07 dB	-0.02 dB
500 - 860 MHz	-0.08 dB	-0.03 dB
860 - 1000 MHz	-0.08 dB	-0.03 dB
1000 - 1750 MHz	-0.09 dB	-0.04 dB
1750 - 2150 MHz	-0.12 dB	-0.07 dB
2150 - 3000 MHz	-0.16 dB	-0.11 dB

Temperature Installing	-5° to +50° C
Operating	-40° to +85° C
Storing	-40° to +85° C

Intermodulation 3rd Order (@2x+37dBm)	IM3
	-160 dBc

Inner Conductor Resistance (@ 1 A DC)	<0.6 m Ω
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Sealing Test (IEC IP-code)	IP X8 30 meter / 8 hours
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Insulation Resistance (@ 500 VDC)	>200 G Ω
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O-rings	EPDM
Dielectric Strength DC Test Voltage	>3.5 KV

Base Material		Max. Tensile Strength	
Body Parts	Brass CuZn39Pb3	Overall	>2900 N
Inner Conductor	Brass CuZn39Pb3	Inner Conductor	>500 N

Plating		Torsional Strength (Connector / Cable)	* NATM
Body Parts	Nitin-6		
Inner Conductor	Nitin-6		

Insulators	COC (Topas) / PP with Glass	Test performed by	Søren B. Sørensen
		Date of release	May 23, 2013

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.*