


Item no.	53041300-01		Connector type	FM-TL413	
			For cable	Belden Coax 4 Foam FB 14 PE	
Frequency Range	0.3 - 3000 MHz		Product photo		
Impedance (Nom.)	75 Ω				
Amp. Rating (measured)	5.0 A @10°C increase				
(calculated)	7.0 A @20°C increase				
Transfer Impedance (CoMeT)	Class A++				
	<0.9 mΩ/m @ 5-30MHz				
	<0.07 mΩ/item @ 5-30MHz				
Screening Attenuation(CoMeT)	Class A++				
	>120 dB @ 30-1000MHz				
	>120 dB @ 1000-2000MHz				
	>120 dB @ 2000-3000MHz				
Return Loss (IEC 61169-1)	Better than	Typical	Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-37 dB	-40.4 dB	0.3 - 500 MHz	-0.06 dB	-0.01 dB
500 - 860 MHz	-33 dB	-36.0 dB	500 - 860 MHz	-0.06 dB	-0.01 dB
860 - 1000 MHz	-32 dB	-34.6 dB	860 - 1000 MHz	-0.06 dB	-0.01 dB
1000 - 1750 MHz	-27 dB	-30.2 dB	1000 - 1750 MHz	-0.07 dB	-0.02 dB
1750 - 2150 MHz	-27 dB	-29.9 dB	1750 - 2150 MHz	-0.07 dB	-0.02 dB
2150 - 3000 MHz	-26 dB	-29.1 dB	2150 - 3000 MHz	-0.07 dB	-0.02 dB
Temperature			Intermodulation	IM3	
Installing	-5° to +50° C		3rd Order (@2x+30dBm)	-135 dBc	
Operating	-40° to +70° C		Inner Conductor Resistance	(<1.8 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	(>2.0 KV	
			DC Test Voltage		
Base Material			Max. Tensile Strength		
Body Parts	Brass CuZn39Pb3		Overall	>1324 N	
Inner Conductor	Brass CuZn39Pb3		Inner Conductor	>500 N	
Plating			Torsional Strength	(* NATM	
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 08, 2014	

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.*