


Item no.	49041300-01		Connector type	3.5/12M-TL413	
			For cable	Belden Coax 4 Foam FB14 PE	
Frequency Range	0.3 - 3000 MHz		Product photo		
Impedance (Nom.)	75 Ω				
Amp. Rating (measured)	16.0 A @10°C increase				
(calculated)	22.6 A @20°C increase				
Transfer Impedance (CoMeT)	Class A+				
	<2.5 mΩ/m @ 5-30MHz				
	<0.1 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	-37 dB	-39.9 dB	0.3 - 500 MHz	-0.07 dB	-0.02 dB
500 - 860 MHz	-37 dB	-39.9 dB	500 - 860 MHz	-0.08 dB	-0.03 dB
860 - 1000 MHz	-36 dB	-39.2 dB	860 - 1000 MHz	-0.08 dB	-0.03 dB
1000 - 1750 MHz	-33 dB	-36.1 dB	1000 - 1750 MHz	-0.09 dB	-0.04 dB
1750 - 2150 MHz	-33 dB	-35.9 dB	1750 - 2150 MHz	-0.11 dB	-0.06 dB
2150 - 3000 MHz	-33 dB	-35.9 dB	2150 - 3000 MHz	-0.17 dB	-0.12 dB
Temperature			Intermodulation	IM3	
Installing	-5° to +50° C		3rd Order (@2x+30dBm)	-150 dBc	
Operating	-40° to +70° C		Inner Conductor Resistance	(<math>@ 1 A DC</math>)	
Storing	-40° to +70° C			<math><0.6 m\Omega</math>	
Sealing Test			Insulation Resistance	(<math>@ 500 VDC</math>)	
(IEC IP-code)	IP X8 30 meter / 8 hours			>200 GΩ	
O-rings	EPDM		Dielectric Strength	DC Test Voltage	
				>3.5 KV	
Base Material			Max. Tensile Strength	Overall	
Body Parts	Brass CuZn39Pb3			>1472 N	
Inner Conductor	Brass CuZn39Pb3		Inner Conductor	>500 N	
Plating			Torsional Strength	(Connector / Cable)	
Body Parts	Nitin-6			* NATM	
Inner Conductor	Nitin-6		Test performed by	Søren B. Sørensen	
Insulators	PP with Glass / COC (Topas)		Date of release	July 09, 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.*