


Item no.	49024500-01		Connector type	3.5/12M-TL245	
			For cable	CommScope F7SEF	
Frequency Range	0.3 - 3000 MHz		Product photo		
Impedance (Nom.)	75 Ω				
Amp. Rating (measured)	9.5 A @10°C increase				
(calculated)	13,4 A @20°C increase				
(CoMeT)					
Screening Attenuation(CoMeT)	Class A				
	>90 dB @ 30-1000MHz				
	>86 dB @ 1000-3000MHz				
Return Loss (IEC 61169-1)	Better than	Typical	Insertion Loss Max.	Better than	Typical
0.3 - 500 MHz	-41 dB	-43.5 dB	0.3 - 500 MHz	-0.10 dB	-0.05 dB
500 - 860 MHz	-36 dB	-39.1 dB	500 - 860 MHz	-0.13 dB	-0.08 dB
860 - 1000 MHz	-34 dB	-37.1 dB	860 - 1000 MHz	-0.14 dB	-0.09 dB
1000 - 1750 MHz	-28 dB	-31.0 dB	1000 - 1750 MHz	-0.15 dB	-0.10 dB
1750 - 2150 MHz	-24 dB	-26.7 dB	1750 - 2150 MHz	-0.15 dB	-0.10 dB
2150 - 3000 MHz	-18 dB	-21.1 dB	2150 - 3000 MHz	-0.21 dB	-0.18 dB
Temperature Installing	-5° to +50° C		Intermodulation 3rd Order (@2x+20dBm)	IM3 -135 dBc	
Operating	-40° to +70° C		Inner Conductor Resistance (@ 1 A DC)	<2.0 mΩ	
Storing	-40° to +70° C		Insulation Resistance (@ 500 VDC)	>200 GΩ	
Sealing Test (IEC IP-code)	IP X8 30 meter / 8 hours		Dielectric Strength DC Test Voltage	>3.0 KV	
O-rings	EPDM		Max. Tensile Strength Overall	>343 N	
Base Material			Inner Conductor	>200 N	
Body Parts	Brass CuZn39Pb3		Torsional Strength (Connector / Cable)	>0.5 Nm	
Inner Conductor	Brass CuZn39Pb3		Test performed by	Søren B. Sørensen	
Plating			Date of release	June 25, 2013	
Body Parts	Nitin-6				
Inner Conductor	Nitin-6				
Insulators	COC (Topas) / PP with Glass				
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.