


Item no.	49061002-01		Connector type	3,5/12M-TL610TI	
			For cable	CommScope QR 715 JCA	
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				
	<0.2 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	-38 dB	-40.8 dB	0.3 - 500 MHz	-0.06 dB	-0.01 dB
500 - 860 MHz	-36 dB	-39.0 dB	500 - 860 MHz	-0.06 dB	-0.01 dB
860 - 1000 MHz	-36 dB	-38.9 dB	860 - 1000 MHz	-0.06 dB	-0.01 dB
1000 - 1750 MHz	-35 dB	-38.0 dB	1000 - 1750 MHz	-0.06 dB	-0.01 dB
1750 - 2150 MHz	-28 dB	-31.2 dB	1750 - 2150 MHz	-0.06 dB	-0.01 dB
2150 - 3000 MHz	-21 dB	-24.4 dB	2150 - 3000 MHz	-0.08 dB	-0.03 dB
Temperature Installing	-5° to +50° C		Intermodulation 3rd Order (@2x+43dBm)	IM3 -160 dBc	
Operating	-40° to +70° C		Inner Conductor Resistance (@ 1 A DC)	<0.5 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	>3.5 KV	
O-rings	EPDM		Max. Tensile Strength Overall	>2300 N	
Base Material	Brass CuZn39Pb3		Inner Conductor	>1000 N	
Body Parts	Brass CuZn39Pb3		Torsional Strength (Connector / Cable)	* NATM	
Inner Conductor	Brass CuZn39Pb3		Test performed by	Søren B. Sørensen	
Plating	Nitin-6		Date of release	December 11, 2014	
Body Parts	Nitin-6				
Inner Conductor	Nitin-6				
Insulators	PP with Glass / COC (Topas)				
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.