

UAL-NF-780



UAL-NF-780 DATA SHEET

N Female Connector for 780 Smoothwall Cables

Mechanical	Specification	Comment
Pull Force Combined	> 350 lbs 1.56 kN	Cable limited
Cable/Connector Torque	16 ft-lbs 21.7 N-m	Cable limited
Interface Durability	50 Cycles	
Electrical	Specification	Comment
Frequency Range	DC to 5.3 GHz	
Impedance	50Ω Nominal	
Average Return Loss (VSWR) DTF	> -40dB (1.02) 0-1 GHz, > -36dB (1.03) 1-2 GHz, > -32dB (1.05) 2-4 GHz, -28dB (1.08) 4-5 GHz	As per Anatel 75 *Measured at room temperature. Results may vary based on cable dimensional changes during temperature fluctuation.
Insertion Loss	< .1√F(GHz)	
3rd Order IMD	-153 dBc minimum, -160 dBc typical	As per IEC 62037-2, -3
Voltage Withstand	> 2.5 kV	
Shielding Effectiveness	< -120dB	0-1 GHz
Insulation Resistance	5GΩ initial, 200MΩ after conditioning	
Environmental	Specification	Comment
Operating Temperature/Storage Temperature	-55°C to +85°C / -55°C to +85°C	
Interface Moisture	No leakage, mated or unmated > 1.0 Bar	
Moisture Ingress	No leakage	ANSI/SCTE60 2004, IP-67, IP-68, IEC 60529
Corrosion Resistance	1000 Hours	
H.A.L.T.	40 Hours	
General	Specification	Comment
Cable Supported	Andrew FXL780	
Weight	0.535 lbs. 242.6g	
WPS Weather Protection		
Length	3.225" 81.9mm	
Outer Diameter	1.490" 37.8mm	
Hex Width	1.375" 35mm	
Tools	Specification	Comment
Cable Preparation	SP-780	
Connector Compression	HCG-FRAMESET-78, HCG-CC	
Torque Wrench	Adjustable Wrench	