

UAL-DF-780



UAL-DF-780 DATA SHEET

7-16 DIN 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	> 3.0 kV	
Shielding Effectiveness	< -120dB	0-1 GHz
Insulation Resistance	10GΩ initial, 100MΩ 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	0.537 lbs. 243.6g	
WPS Weather Protection	WPS-5	
Length	2.850" 72.4mm	
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	