

# UXP-DF-78FX



## UXP-DF-78FX DATA SHEET

### 7-16 DIN Female Connector for 7/8" Annular AVA5-50FX Cable

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 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
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 AVA5-50FX	
Weight	0.538 lbs.   244g	
WPS Weather Protection	WPS-5	
Length	2.495"   63.3mm	
Outer Diameter	1.490"   26.4mm	
Hex Width	1.375"   35mm	
Tools	Specification	Comment
Cable Preparation	SP-78FX	
Connector Compression	HCG-FRAMESET-78, HCG-CC	
Torque Wrench	Adjustable wrench	