

# UPL-4MT-12T

## UPL-4MT-12T DATA SHEET

### 4.3–10 Male Connector for 1/2" Trilogy Plenum Cables

Mechanical	Specification	Comment
Pull force combined	> 200 lbs   .89 kN	Cable limited
Cable/connector torque	5 ft-lbs   6.7 N-m	Cable limited
Interface durability	500 cycles	
Electrical	Specification	Comment
Frequency range	DC to 6 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) 4–6 GHz	As per Anatel 75
Insertion loss	< .1√F(GHz)	
Third-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	Trilogy AP6012J50, APC012J50, AC012R50, AC012J50, AP012U50, ACC012J50, ACC012R50	
Weight	0.276 lbs.   125.2 g	
WPS weather protection	WPS-N-4A, WPS-4F	
Length	2.797 in   71.0 mm, 2.382 in   60.5 mm	
Outer diameter	1.040 in   26.4 mm	
Hex width	.88 in   22 mm	
Tools	Specification	Comment
Cable preparation	SP-12PL	Marking guide included with connector
Connector compression	HCG-FRAMESET-1/2, HCG-CC	Insert D
Torque wrench	TQ-78-F8	8 ft-lbs   10.8 N-m