

CABLE ASSEMBLY SOLUTIONS FOR GOGO X3 SYSTEMS

PIC Wire & Cable developed a series of cable assemblies approved for use with Gogo® Business Aviation's X3 data connectivity system. The X3 works in tandem with the AVANCE L5 system to provide enhanced in-flight connectivity. The AVANCE L5 is required to be installed in the aircraft for the X3 to operate. Assemblies are customizable and designed to meet the application's unique loss, length, weight and flexibility requirements. Pre-engineered assembly drawings are available to simplify the US Federal Aviation Administration (FAA) submission process for modifications and installations.

X3 CABLE OPTIONS

PIC Wire & Cable offers a variety of PICMates RF and RF ULTRALITE® cable solutions that meet or exceed X3 system performance requirements. These high quality cables were specially designed as low loss options, with the ULTRALITE line optimized for applications that require lightweight, flexible cables.

MAXIMUM CABLE LENGTH (INCHES) BY APPLICATION					
Cable P/N	Weight lbs/100 ft (kg/100 m)	Bend Radius in (mm)	X3 to AVANCE L5 (900 MHz)		X3 & AVANCE L5 to FWD/AFT MB13 ANT (900 MHz)
			Optimal Loss (0.5 dB)	Max Loss (1 dB)	Max Loss (3 dB)
S86208	2.0 (2.9)	0.65 (16.51)	15	56	219
S33141	6.5 (9.7)	1.40 (35.56)	32	118	460
S55122	8.3 (12.4)	1.55 (39.37)	43	155	607
S22089	18.0 (26.8)	2.50 (63.50)	62	228	889
UH44193	1.9 (2.9)	0.80 (20.32)	20	75	294
UH67163	3.4 (5.1)	1.20 (30.48)	35	128	501
UH22089	7.2 (10.7)	1.70 (43.18)	63	228	890
UH25107	12.0 (17.9)	2.50 (63.50)	78	285	1114

X3 CABLE OPTIONS

PIC Wire & Cable also has several matching SMA and TNC connectors for its RF and RF ULTRALITE cables to meet unique application requirements.

Cable P/N	SMA Str. Plug	TNC Str. Plug	TNC 90 Plug
S86208	190814	190808	190809
S33141	190314	190308	190309
S55122	190614	190608	190609
S22089	N/A	190408	190409
UH44193	150114	150108	150109
UH67163	150514	150508	150509
UH22089	150414	150408	150409
UH25107	N/A	190408	190409

ASSEMBLY PART NUMBER BUILDER

Accelerate the cable assembly procurement process by building a part number with design details that meet an application’s specific requirements. Ready to use engineering drawings are provided to streamline the FAA submission process for part modifications and installations.

Engineering drawings for cable assemblies are available for download at www.picwire.com/assemblies/assembly-worksheets.

Sample Part Number: 11012-4832- **W** **X** **YYYY** - **ZZ**

