

CABLE ASSEMBLY SOLUTIONS FOR GOGO AVANCE SYSTEMS

PIC Wire & Cable® offers a series of high-performance cable assemblies specifically approved for use with Gogo® Business Aviation's AVANCE LX5 data connectivity systems, and are listed in the system manuals. Our customizable assemblies are designed to meet unique application requirements, including loss, length, weight, and flexibility. Selecting cable assemblies from PIC simplifies the FAA submission process for modifications and installations, thanks to our pre-engineered assembly drawings. Properly designed cable assemblies are critical to maximizing the benefits of advanced interconnect technology.

Our in-house assembly facility ensures that all assemblies are certified, tested, and phase-matched, ensuring high-quality and consistent performance.

LX5 CABLE OPTIONS

PIC offers a range of PICMates® RF and RF UltraLite cable solutions that meet or exceed AVANCE LX5 system performance requirements. These high-quality cables are designed for low-loss performance, with the UltraLite line being the ideal choice for applications demanding lightweight and flexible cables.

MAXIMUM CABLE LENGTH (INCHES) BY APPLICATION					
Cable P/N	Weight lbs/100 ft (kg/100 m)	Bend Radius in (mm)	LX5 WIFI RADIO 1 (5.0 GHz)	LX5 WIFI RADIO 2 (2.4 GHz)	LX5 TO FWD/AFT MB13 ANT (0.9 GHz)
			Max Loss (8 dB)	Max Loss (5 dB)	Max Loss (3 dB)
S86208	2.0 (2.9)	0.65 (16.51)	255	228	219
S33141	6.5 (9.7)	1.40 (35.56)	527	475	460
S55122	8.3 (12.4)	1.55 (39.37)	685	622	607
S22089	18.0 (26.8)	2.50 (63.50)	N/A	N/A	889
UH44193	1.9 (2.9)	0.80 (20.32)	334	302	294
UH67163	3.4 (5.1)	1.20 (30.48)	567	515	501
UH22089	7.2 (10.7)	1.70 (43.18)	1003	911	890
UH25107	12.0 (17.9)	2.50 (63.50)	N/A	N/A	1114

LX5 CONNECTOR OPTIONS

Complementing our cable solutions, we offer a tailored selection of SMA and TNC connectors to our RF and UltraLite cables, ensuring compatibility with unique application needs.

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.

