

# CABLE SOLUTIONS FOR CABIN NETWORKING

## CABLE ASSEMBLY SOLUTIONS FOR HONEYWELL CNX 900 CABIN NETWORK ROUTER

When you need a reliable interconnect assembly for your Honeywell CNX 900 cabin router, look no further than PIC Wire & Cable. Our custom cable assemblies are approved for use with the CNX 900 and listed in the system manual. The CNX 900 offers a fast and secure wireless in-flight data connection with increased bandwidth for larger downloads and video streaming. A reliable interconnect assembly is required to ensure the system's continuous connectivity and high-speed data rates.

PIC's assemblies are customizable and designed to meet an application's unique loss, length, weight and flexibility requirements.

### CABLE AND CONNECTOR OPTIONS

PIC Wire & Cable offers a variety of PICMates RF and RF ULTRALITE® cable solutions cable and connector solutions that meet or exceed system performance requirements for RF loss and VSWR. These high-performance cables are specially designed with low loss characteristics that ensure signal reliability. The ULTRALITE line is engineered with additional shielding protection and optimized for applications that require lightweight, flexible cables.

All PICMates RF and RF ULTRALITE® cables have undergone a variety of EWIS tests, such as flammability and immersion fluid testing, including Skydrol. EWIS test reports are available upon request.

### CABLE PHYSICAL AND ELECTRICAL CHARACTERISTICS

CABLE P/N	MAX LOSS (DB/100 FEET) AT 1.99 GHZ	MAX LOSS (DB/100 FEET) AT 2.4 GHZ	MAX LOSS (DB/100 FEET) AT 5.0 GHZ	WEIGHT LBS/100 FT (KG/100M)	BEND RADIUS INCH (MM)
<b>S31601</b>	42.49	47.28	72.64	1.0 (1.5)	0.5 (12.70)
<b>S86208</b>	21.98	24.18	35.21	2.0 (2.9)	0.65 (16.51)
<b>S67163</b>	10.94	12.06	17.71	5.4 (8.0)	1.2 (30.48)
<b>S55122</b>	7.31	8.88	13.15	8.3 (12.4)	1.55 (39.37)
<b>UH44193</b>	16.54	18.25	26.92	1.9 (2.9)	0.8 (20.32)
<b>UH67163</b>	9.73	10.74	15.87	3.4 (5.1)	1.2 (30.48)

### CONNECTOR OPTIONS BY CABLE

CABLE P/N	ARINC SIZE 5 SOCKET	ARINC SIZE 12 SOCKET	TNC STR MALE	TNC 90 MALE	TNC INLINE JACK	TNC BULK HEAD JACK
<b>S31601</b>	110928	110981	110872	110874	110983	110930
<b>S86208</b>	190803	X	190808	190809	X	190821
<b>S67163</b>	111122	X	190508	190509	190523	190521
<b>S55122</b>	X	X	190608	190609	190623	190621
<b>UH44193</b>	150103	X	150108	150109	X	150121
<b>UH67163</b>	150503	X	150508	150509	150523	150521

### PRE-ENGINEERED ASSEMBLIES

Proper cable assembly is critical to optimizing the full benefits of interconnect technology. PIC Wire & Cable provides certified and tested assembly sets to streamline the system installation process. Engineering drawings are available to simplify the US Federal Aviation Administration (FAA) submission process for part modifications and installations.

Download pre-engineered drawings at [www.PICwire.com/assemblies/assembly-worksheets](http://www.PICwire.com/assemblies/assembly-worksheets).