

APPLICATION NOTE

CONNECT YOUR CABIN



CABLE SOLUTIONS FOR ELITE, EMPIRE AND EXPLORE CMS SYSTEMS

As business jet IFE systems evolve to support higher bandwidths, Ultra High Definition, and increasingly complex cabin architectures, the interconnect backbone has become a critical performance enabler. Delivering flawless passenger experiences now depends on cables and connectors engineered for both signal integrity and real-world aircraft installation.

Developed in partnership with Cabin Management Solutions, PIC Wire & Cable® interconnect products are the recommended signal path behind CMS's ELITE®, EMPIRE, and EXPLORE platforms. CMS's systems demand exceptional bandwidth, signal integrity, and installation efficiency to support uncompressed 4K60 video, 10G Ethernet streaming, and advanced audio and control architectures—and PIC delivers exactly that. Our aerospace-qualified Cat 6/6A Ethernet, HDMI™, USB, 50 Ohm and 75 Ohm coaxial cables are engineered for low loss, high flexibility, and simplified routing in tight cabin environments; enabling faster installs and long-term reliability. Together, CMS and PIC ensure every source, display, and interface performs flawlessly, preserving signal quality from rack to screen and delivering the uncompromised cabin experience CMS is known for.

ASSEMBLY OPTIONS FOR:

- HDMI
- ETHERNET
- COAX (50 and 75 Ohm)
- USB 2.0

SPECIAL PRICING* For Bulk Ethernet Kits

Developed exclusively for **CMS** installations,
PIC Ethernet kits aid in install ease.

KIT PART NUMBER	CABLE LENGTH	CABLE PART NUMBER	CONNECTOR QUANTITY	CONNECTOR PART NUMBER
11012-5085-101-1	250 ft	E6A6826	16	110725
11012-5085-102-2	500 ft	E6A6826	32	110725
11012-5085-103-3	750 ft	E6A6826	48	110725
11012-5085-104-4	1000 ft	E6A6826	60	110725

CONTACT US TO LEARN
MORE ABOUT SPECIAL
PRICING TODAY!

*Special pricing applies to kits sold in
conjunction with CMS installations only.
Exclusions apply.



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24 Port 10G Switch



- Experience the performance and reliability of PIC's **E6A6826** CAT6 cable in action during the installation of Cabin Management Solutions' 24-Port 10G Switch. Engineered for high-frequency signal integrity and durability, these cable solutions support seamless connectivity and optimal system performance in demanding network environments.

4K Monitor



- Discover the capability of PIC's **E6A6826** CAT6 (if Empire system) or **H1926-HS** HDMI (if Elite® system) cable assemblies as they are deployed alongside CMS's 4K Monitor installation. Designed for consistent signal and rugged dependability, these cables play a critical role in ensuring efficient, high-speed network operation.

Cabin Management Unit (CMU-CR)



- Designed for consistent data integrity and durability, PIC's **S67163** 50Ω coaxial cable enables reliable communication and enhanced functionality across CMS's Cabin Management Unit (CMU-CR).

Photos courtesy of CMS



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