



Providing complete avionics installation provisions and support for the Aviation industry since 1984.



High-Definition Multimedia Interface (HDMI) Cables

Proven Performers - ECS Data Bus and Composite Cables

Since our founding in 1984, the ECS application engineering group has developed a broad assortment of specialized cable designs and assemblies to support the wide variety of applications in the aviation industry.

We work hard to optimize our cable designs to meet the customers' needs while maintaining FAA, ARINC, military, and industry specifications. We select only application appropriate materials for each cable we build, and our design considerations incorporate manufacturing efficiencies for maximized material usage.

Each ECS cable and cable assembly is fully tested to guarantee electrical and physical integrity, comply with system requirements, and adhere to all industry manufacturing standards.

Our standard and custom designs hold up to the most rigorous environmental hazards of in-flight and on-the-ground operations with proficient and reliable performance. In some applications, ECS custom

composite cables can provide a more reliable and cost-effective alternative to wire harnessing.

ECS' flexible design and manufacturing program offers:

- Extensive inventory of stock cable designs
- Stock cables ship same day with no minimum quantity
- Experienced cable design engineers who can build a custom design to your specific requirements or modify an existing design
- Custom cable designs available with a minimum quantity requirement
- Cables are sold bulk or cut-to-order
- ECS offers short lead-times and will work within your schedule
- Termination is available on request
- In-house injection molding
- All cables are labeled per specification



Injection Molding Available



Ethernet RJ45 Cables

HDMI Cables — ECS now offers compact audio/video cables for transmitting uncompressed digital streams, supporting High-Definition Multimedia Interface (HDMI) and Digital Visual Interface (DVI). ECS HDMI cables are developed for use on-board aircraft and designed to meet, or exceed, burn requirements as set forth in Federal Aviation Regulations 14 CFR Part 25.869(a)(4) Amdt 25-113, Appendix F Part I(a)(3).



Featured below is a selection of standard ECS Data Bus and Composite cables. For a complete list of available cables, visit our website or contact your ECS sales representative

- ECS cables are lighter and more flexible, making them easier to install than conventional cables.
- They offer optimum shielding to maintain reliable performance.
- They are developed for minimal insertion loss and superior protection against Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI).
- They meet or exceed burn/smoke requirements set forth by Federal Aviation Regulations.
- They are ideal for use in radar and weather mapping systems, communications, navigation systems, in-flight entertainment equipment, EFB systems, and all aircraft applications where temperature, noise protection and flexibility are critical concerns.

ECS Data Bus Cables

Cable Part No.	impedance Ohms	Capacitance pF/foot	No. of Conductors	Gauge AWG	Outer Dia. Inches	Weight lbs/100ft.	Bend Radius	Temp. Range (Celsius)	Total Shields	Applications	
312402	78	19.2	2	22	0.274	2.50	1.400	-55° to +150° C	3	ARINC 453, ARINC 708 Weather Radar, General Purpose	
912404	90	20.0	4	24	0.180	2.30	0.900	-55° to +150° C	2	USB	
382410A	100	12.8	10	24	0.395	9.00	2.400	-55° to +85° C	2	LVDS Video Cable for LCD Displays and DVI Applications	
922404	100	15.0	4	24	0.291	3.75	1.500	-55° to +200° C	3	ARINC 664, Cat 5e, LAN, 10/100 BaseT	
922408	100	15.0	8	24	0.299	6.00	1.500	-55° to +200° C	3	Cat 5e, LAN	
422404	100	13.5	4	24	0.165	2.30	1.000	-55° to +150° C	1	ARINC 664, Cat 5e, LAN, 10/100 BaseT	
422408	100	12.5	8	24	0.299	6.00	1.50	-55 to +200° C	2	LVDS RIB Cable, ARINC 646, Ethernet	
922604	100	15.0	4	26	0.195	2.40	1.100	-55° to +150° C	2	Cat 5e	
922608	100	15.0	8	26	0.230	3.40	1.400	-55° to +150° C	2	Cat 5e	
912406	110	12.0	4 2	24 22	signal power	0.338	6.10	1.700	-55° to +150° C	2	IEEE 1394 Firewire
322402	125	12.0	2	24	0.204	2.50	1.020	-55° to +200° C	2	ASCB-D, C data Bus for EPIC AV-900, Sperry SPZ-8000, and Cept-E1	

ECS Composite Cables

Cable Part No.	No. of Conductors	Outer Dia. Inches	Weight lbs/100ft.	Bend Radius	Temp. Range (Celsius)	Total Shields	Applications
312207	7	0.241	5.34	1.20	-55 to +150° C	3	Stormscope WX-900
312211	11	0.425	15.40	2.10	-55 to +150° C	2	LSZ-850 Lighting Sensor Antenna Cable
382017	17	0.380	8.20	1.90	-55 to +150° C	2	AMT 50
382206	6	2.600	3.90	1.30	-55 to +150° C	1	AMT 50
3N6607	7	0.292	9.00	1.50	-55 to +150° C	4	Stormscope WX-1000, WX-11 Processor to Gyro
3N6711	11	0.354	12.00	1.80	-55 to +150° C	2	Stormscope WX-1000/1000+ Antenna to Processor
3N6715	15	0.410	16.00	2.00	-55 to +150° C	2	Stormscope WX-1000/1000+ Processor to Display
453005	5	0.325	6.50	1.60	-55 to +150° C	1	Universal TAWS VGA Cable, Baker Entertainment System Integration, Color Displays

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