

# Cabin Management Systems

## Data Bus and Video Cables



HDMI to DVI Assembly



Octax™ Connectors from left to right: UHSOCTAX-8P, UHSOCTAX-8S-01, UHSOCTAX-8S-02

### INTRODUCTION

Carlisle Interconnect Technologies' (CarlisleIT) application engineering group has developed an extensive family of specialized cable and connector products to support high-speed, high definition cabin management, multimedia, and in-flight entertainment systems.

Today's CMS and IFE equipment demand higher performance cables. By utilizing proven cable engineering and manufacturing techniques and the highest quality materials, CarlisleIT manufactures HDMI, Ethernet, and other data bus cables that will allow you to gain the maximum performance from your system even at longer distances.

Our CMS/IFE product lines are designed to provide robust flexible cable solutions that completely support high-performance digital video cable connections that are optimized to reduce overall weight and cost, withstand the harsh environmental conditions of in-flight and ground operations, comply with all applicable airworthiness requirements, and deliver reliable high-speed and high-definition performance.

CarlisleIT offers a full suite of engineering services capable of supporting any of your system installation and certification requirements.

When performance matters, CarlisleIT HDMI assemblies provide proven performance in demanding applications.

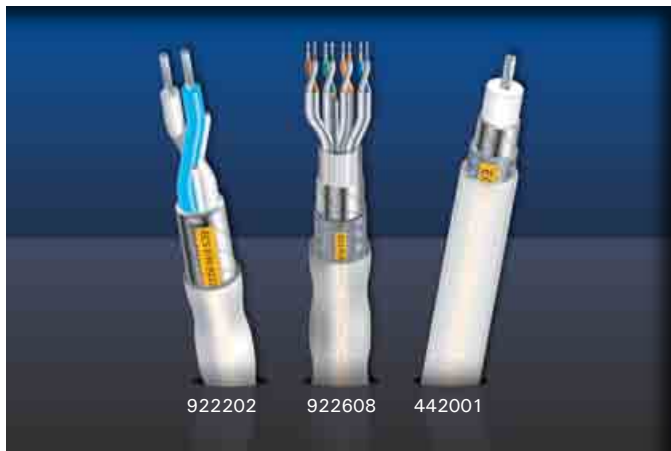
### DESIGN & MANUFACTURING OFFERING

- » HDMI, DVI, D-sub, Quad, and Octax terminations
- » Cable assemblies are fully tested to guarantee electrical and physical integrity, comply with system requirements, and adhere to applicable industry manufacturing standards
- » Experienced cable assembly engineers can build to your specific requirements
- » Custom cable designs
- » Cable provided in bulk, cut to order, and assemblies
- » Fully terminated and tested assemblies
- » All cables are labeled per specification
- » In-house injection molding
- » Short lead-times and will work within your schedule
- » Extensive inventory
- » Stock cables ship same day

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## PRODUCT FACTS

- » CarlisleIT cables are lighter and more flexible, making them easier to install than conventional cables
- » Optimum shielding to minimize interference issues
- » Developed for minimal insertion loss and superior protection against Electromagnetic Interference (EMI)
- » Meet or exceed burn/smoke requirements set forth by Federal Aviation Regulations
- » Ideal for use in cabin management systems, communications, in-flight entertainment equipment, EFB systems, and all aircraft applications where temperature, noise protection and flexibility are critical concerns



CMS Connectors	Description	Compatible Cables
BMBF101	Bulkhead Adapter, Mini BNC, F/F	442001 452001
BMBS402	Bulkhead Jack, Mini BNC, Straight	
CMBS402	Plug, Mini BNC, Straight	
CMBR402	Plug, Mini BNC, Right	442501
BBS442	Bulkhead Jack, BNC	
CBS442	Plug, BNC Straight	
CBR442	Plug, BNC Right	
CAS482	Size 5 Contact	412301-75
CAS452	Size 8 Contact	
CDS882	Size 8 Socket Contact, D-Sub	
CDP882	Size 8 Pin, D-Sub	
UPL220-009	Plug, BNC Straight	26463/1A042X-8(LD) 24473/1A042X-8(LD) NF26GB100 NF24GB100
O31-70260	Plug, Mini BNC, Straight	
UHSOCTAX-8P	Octax™ Plug Connector	
UHSOCTAX-8S-01	Octax™ Socket Connector w/ Latch	
UHSOCTAX-8S-02	Octax™ Socket Connector w/o Latch	

## CMS Cables

Cable Part Number	Impedance Ohms	No. of Conductors	Gauge AWG	Outer Dia. Inches	Weight lbs/100ft	Min Bend Radius (In.)	Temp. Range °Celsius	Jacket	Laser Markable	Description
442001	75	1	20	.200	2.5	1	-55° to 85°	ETFE	Yes	75 Ohm
452001	75	1	20	.200	4	1	-55° to 150°	ETFE	Yes	75 Ohm, High Temperature
412301-75	75	1	23	.150	1.8	0.75	-55° to 150°	ETFE	Yes	75 Ohm, Dielectric
442501	75	1	26	.130	1.25	0.65	-55° to 150°	FEP	No	75 Ohm
922202	100	2	22	.130	1.2	0.8	-55° to 150°	ETFE	Yes	Twisted Pair
922404	100	4	24	.240	3.75	1.5	-55° to 150°	FEP	No	Cat 5e
882406	100	6	24/20	.265	4.7	1.6	-55° to 150°	ETFE	Yes	Cat 5e
922408	100	8	24	.299	6	1.8	-55° to 150°	FEP	No	Cat 5e
922608	100	8	26	.230	3.40	1.4	-55° to 150°	ETFE	Yes	Cat 5e
922815	100	15	28	.255	5.1	1.6	-40° to 150°	FEP	No	HDMI 1.3
922414	100	14	24	.385	8.8	2.3	-40° to 150°	FEP	No	HDMI 1.4a
892408	100	8	24	.299	6.3	1.8t	-55° to 150°	ETFE	Yes	Cat 5e
26463/1A042X-8(LD)	100	8	26	.255	4.5	1.5	-55° to 200°	FEP	No	Cat 6a
24473/1A042X-8(LD)	100	8	24	.325	6.5	2	-55° to 200°	FEP	No	Cat 6a
NF26GB100	100	8	26	.205	3.2	1.25	-55° to 200°	FEP	No	Cat 5e
NF24GB100	100	8	24	.245	4.1	1.5	-55° to 200°	FEP	No	Cat 5e