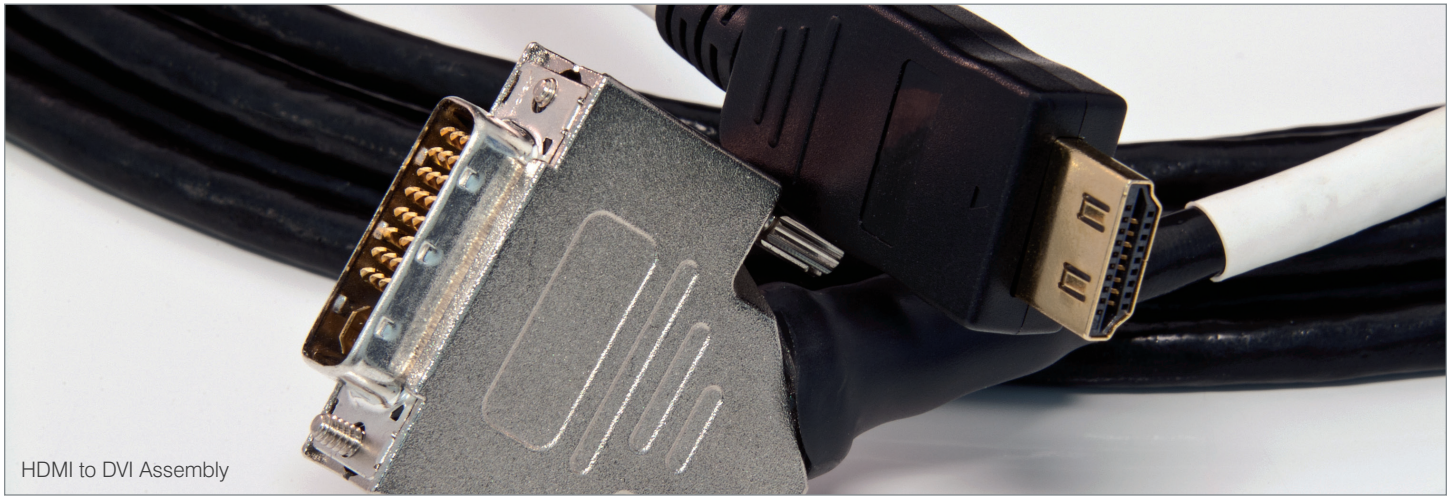


# Cabin Management Systems Data Bus & Video Cables



HDMI to DVI Assembly



Octax®-Solo Adapter Cable Assembly



Octax®-Solo Adapter Cable Quadrax Contact



Octax® Quadrax Adapter

## 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 demands 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 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 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 to work within your schedule
- » Extensive inventory
- » Stock cables ship same day

## Wire and Cable

## Cabin Management Systems

### Data Bus & Video Cables

#### 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	Part Number
BMBF101	Bulkhead Adapter, Mini BNC, F/F	442001 452001
BMS402	Bulkhead Jack, Mini BNC, Straight	
CMBS402	Plug, Mini BNC, Straight	
CMBR402	Plug, Mini BNC, Right	
BBS442	Bulkhead Jack, BNC	442501
CBS442	Plug, BNC Straight	
CBR442	Plug, BNC Right	
CAS482	Size 5 Contact	
CAS452	Size 8 Contact	412301-75
CDS882	Size 8 Socket Contact, D-Sub	
CDP882	Size 8 Pin, D-Sub	
UPL220-009	Plug, BNC Straight	
031-70260	Plug, Mini BNC, Straight	MX10G-24 MX10G-24FLX MX10G-24HP MX10G-26 MX10G-26FLX
OCTAX-SOLO-P	Octax®-Solo Plug Connector	
OCTAX-SOLO-FMR	Octax®-Solo Flange-Mount Connector	
OCTAX-SOLO-IR	Octax®-Solo Inline (Flangeless) Connector	
OCTAX-SOLO-JNR	Octax®-Solo Jam Nut Connector	

#### CMS CABLES

Part Number	Impedance	No. of Conductors	Gauge AWD	Outer Dia.	Weight lbs / 100 ft	Min Bend Radius	Temp Range °C	Jacket	Laser Markable	Description
442001	75 Ω	1	20	.200"	2.5	1"	-55 to 85	ETFE	Yes	75 Ω
452001	75 Ω	1	20	.200"	4	1"	-55 to 150	ETFE	Yes	75 Ω, High Temperature
412301-75	75 Ω	1	23	.150"	1.8	0.75"	-55 to 150	ETFE	Yes	75 Ω, Dielectric
442501	75 Ω	1	26	.130"	1.25	0.65"	-55 to 150	FEP	No	75 Ω
922202	100 Ω	2	22	.130"	1.2	0.8"	-55 to 150	ETFE	Yes	Twisted Pair
922404	100 Ω	4	24	.240"	3.75	1.5"	-55 to 150	FEP	No	Cat 5E
882406	100 Ω	6	24/20	.265"	4.7	1.6"	-55 to 150	ETFE	Yes	Cat 5E
922408	100 Ω	8	24	.299"	6	1.8"	-55 to 150	FEP	No	Cat 5E
922608	100 Ω	8	26	.230"	3.40	1.4"	-55 to 150	ETFE	Yes	Cat 5E
922815	100 Ω	15	28	.255"	5.1	1.6"	-40 to 150	FEP	No	HDMI 1.3
922414	100 Ω	14	24	.385"	8.8	2.3"	-40 to 150	FEP	No	HDMI 1.4A
892408	100 Ω	8	24	.299"	6.3	1.8"	-55 to 150	ETFE	Yes	Cat 5E
MX10G-26FLX	100 Ω	8	26	0.195"	28	1.17"	-55 to 150	PTFE	No	CAT 6
MX10G-24FLX	100 Ω	8	24	0.245"	35	1.47"	-55 to 150	PTFE	No	CAT 6
MX10G-24	100 Ω	8	24	0.27"	50	1.62"	-55 to 150	FEP	No	CAT 6
NF26GB100-10	100 Ω	8	26	0.232"	33	2.32"	-55 to 150	FEP	Yes	CAT 6A
NF24GB100-10	100 Ω	8	24	0.282"	45	2.82"	-55 to 150	FEP	Yes	CAT 6A
NF26GBSTP-100	100 Ω	8	26	0.285"	50	2.85"	-55 to 150	FEP	No	CAT 7



See CarlisleIT's line of Wire & Cable products at:  
[CarlisleIT.com/products/wire-cable](http://CarlisleIT.com/products/wire-cable)

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