

Event 5104C1644-07 Screened Installation Speaker Cables 510Series LSZH FireFighter®

Event Installation Cable AES-EBU

Event HD850-01 Stranded AES/EBU Digital Audio Coax

Series
Event
Audio & Broadcast Cables

Cables For Entertainment



Cable excellence engineered through quality

EventSeries® cables for sound and light distribution have been developed over two decades using state of the art materials and expertise.

By working in partnership with professionals in the industry in conjunction with our manufacturing facilities we have developed a range of cables which we know lasts up to the rigours of the most demanding installations and the challenges of on tour use.

The EventSeries® range meet most of the industry applications, with continuing commitment to research and development we can be sure that the best materials for the applications are used, providing innovative solutions to old and new problems.

Descriptions are correct at time of publication, however these may be reviewed at any time and are subject to change without notice. E&OE (Errors and Omissions Excepted) which means that whilst every effort has been made to ensure that the information contained within this publication is accurate, specifications may vary or be subject to change at Belcom's discretion. As such, this publication should be used as a guide only. Exact details can be confirmed at point of enquiry.

Images are for illustrative purposes only. Stranding & proportion may vary.





EventSeries® - Audio & Broadcast

Event Series Audio & Broadcast Cables for the professional user with no compromise on performance or durability. "OFF ROAD" Cables for "ON ROAD" Applications.

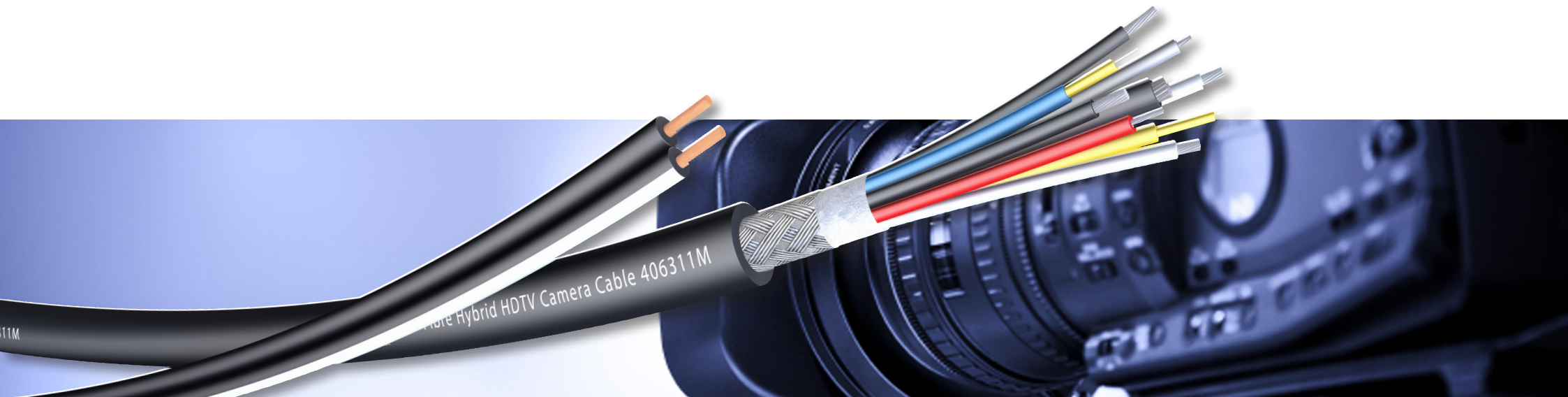
Included within the range are Low Smoke Zero Halogen cables using FireFighter technology, these versions are manufactured to the same standard as the touring grade cables but are designed to consider the effect of a fire if it were to take place in a densely populated building.



FireFighter®

The importance of LSZH Performance

During a fire, a halogen-containing plastic material such as Polyethylene (PE) or Polyvinylchloride (PVC) releases hydrogen chloride, a poisonous gas that forms hydrochloric acid when it comes in contact with water. This is catastrophic in areas where public safety and equipment damage is to be avoided. The International Electrotechnical Commission (IEC) is a standards organisation that have developed tests that anything classed as 'low smoke zero halogen' must adhere to. Our FireFighter® cables have been manufactured to these exact standards which reduce the amount of toxic and corrosive gas emitted during combustion.





Audio Cables

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Included within the Event Series® is our audio single pair, multipair, single quad and multiquad cables which are available in soft pliable materials for touring applications or FireFighter® Low Smoke Zero Halogen.

The single and multipair cables (110Series) have a characteristic impedance of 110 Ohm as standard making it suitable for digital sound transmission according to AES3 standards as well as DMX signals. The foil screen can easily be removed with pair sheath for easier termination.

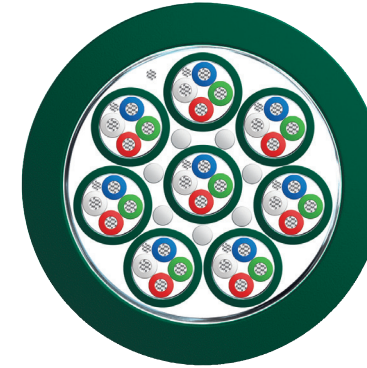
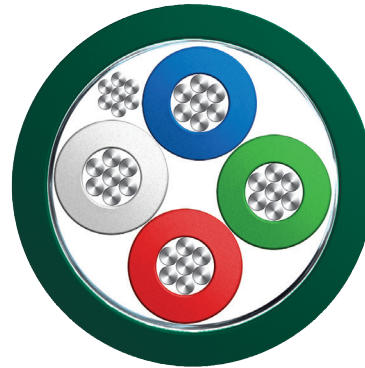
Audio Cables



Ref	110-1601	110-4601	110-16**	Ref
Description	Digital Wiring Installation Cable AES-EBU	Digital Wiring Installation Cable AES-EBU	MultiPair Analogue/Digital Audio Cables AES/EBU	Description
No. of Pairs	1	1	2, 4, 8, 12, 16, 24, 32	No. of Pairs
Sheath Material	TPM	LSZH FireFighter®	TPM	Sheath Material
Application	For fixed wiring of digital equipment and patch boards	For fixed wiring of digital equipment and patch boards	For use in stage box systems or fixed installation	Application
Characteristics	Soft and Flexible	IEC 60332-1, IEC 60754-1, IEC 61034-1	Soft and Flexible	Characteristics
Specification	Link	Link	Link	Specification

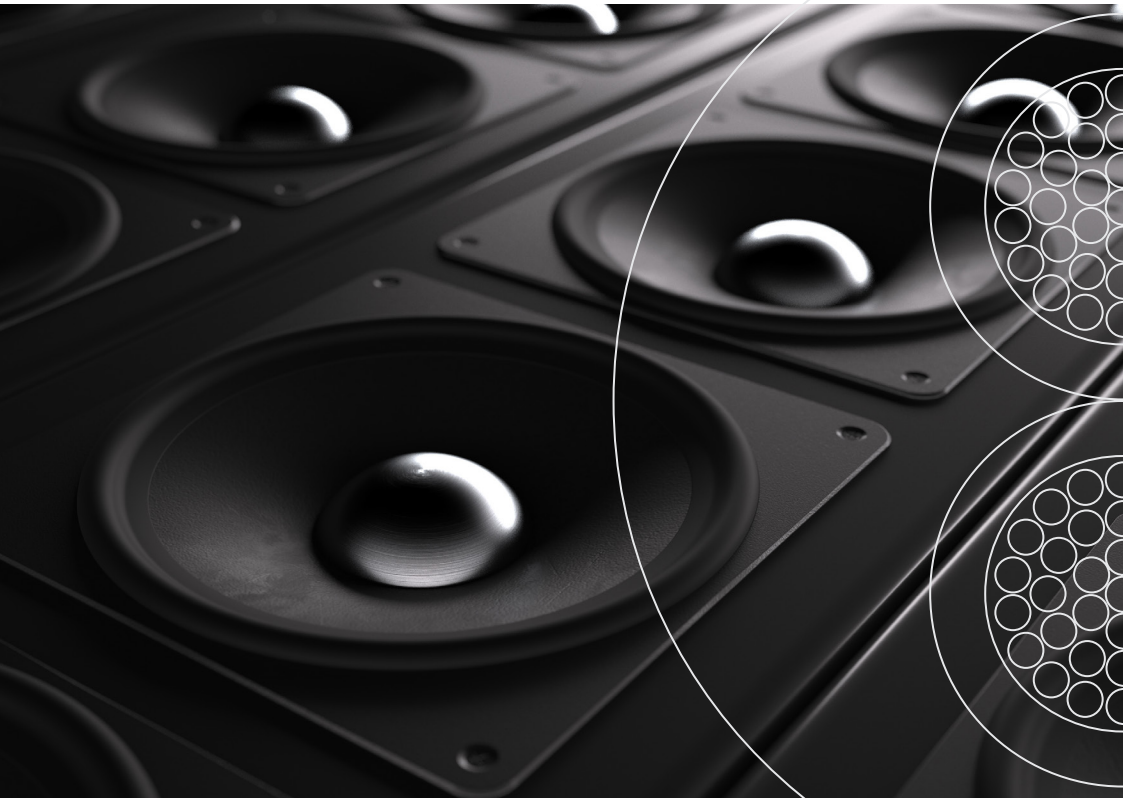
**denotes pair/quad count (02 - 2 pair, 04 - 4 pair etc)

Audio Cables



Ref	110-i46**	110-6601	220-66**	Ref
Description	Install Grade MultiPair Analogue/Digital Audio Cables AES/EBU	Quad Audio Cable	Multi Quad Audio Cables	Description
No. of Pairs/Quads	2, 4, 8, 12, 16, 24, 32	1	4, 8	No. of Pairs/Quads
Sheath Material	LSZH FireFighter®	LSZH/PUR	LSZH/PUR	Sheath Material
Application	Professional Audio Interconnect	Outside broadcast in fixed or touring applications	Outside broadcast in fixed or touring applications	Application
Characteristics	IEC 60332-1, IEC 60754-1, IEC 61034-1	IEC 60332-1, IEC 60754-1, IEC 61034-1	IEC 60332-1, IEC 60754-1, IEC 61034-1	Characteristics
Specification	Link	Link	Link	Specification

**denotes pair/quad count (02 - 2 pair, 04 - 4 pair etc)

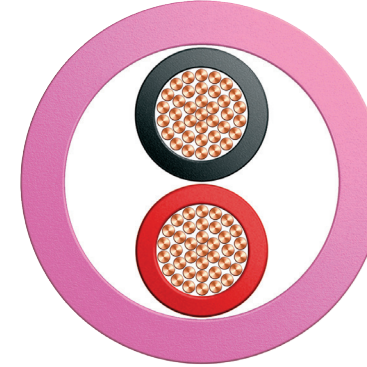
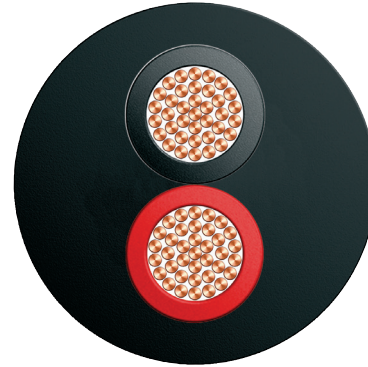
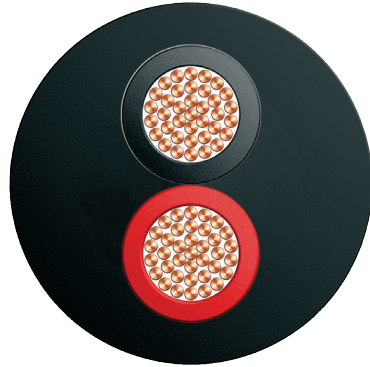


Speaker Cables

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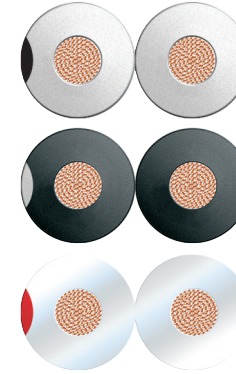
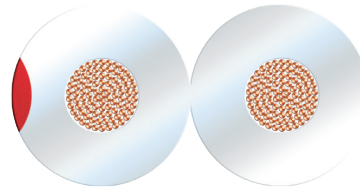
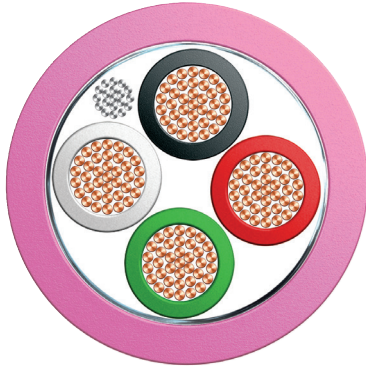
Event Series® speaker cables are available as soft pliable tour grade or FireFighter® Low Smoke Zero Halogen for the professional audio installer. Our 500Series “In Wall ” with FireFighter® LSZH as standard for Home & Building automation Installers or parallel versions for the HiFi enthusiast.

Speaker Cables



Ref	VHP				ZHP					500 Series				Ref
Description	Professional speaker cables				Professional speaker cables					Installation Speaker Cables				Description
Conductor Size	1,50 mm ²	2,50 mm ²	4,0 mm ²	6,0 mm ²	0,75 mm ²	1,50 mm ²	2,50 mm ²	4,0 mm ²	6,0 mm ²	16 AWG	14 AWG	12 AWG	10 AWG	Conductor Size
No. of Cores	2	2, 4, 8	2, 4	2	2	2, 4	2, 4, 8	2, 4, 8	2	2, 4	2, 4	2, 4	2, 4	No. of Cores
Sheath Material	TPM				LSZH FireFighter®					LSZH FireFighter®				Sheath Material
Application	For linking speakers				For installation in public areas where protection against fire is necessary					High Performance Speaker Cables for Multi-room and Home Cinema Installations				Application
Characteristics	Soft and pliable for touring applications				IEC 60332-1, IEC 60754-1, IEC 61034-1					IEC 60332-1, IEC 60754-1, IEC 61034-1				Characteristics
Specification	Link				Link					Link				Specification

Speaker Cables



Ref	510 Series	40306						Parallel Speaker Cables			Ref
Description	Installation Speaker Cable	Transparent Speaker Cables Flat Twin Figure 8 LC OFC						Standard Parallel Speaker Cables (OFC) Twin Figure 8			Description
Conductor Size	16 AWG	0,75 mm ²	1,0 mm ²	1,50 mm ²	2,50 mm ²	4,0 mm ²	6,0 mm ²	0,75 mm ²	1,50 mm ²	2,50 mm ²	Conductor Size
No. of Cores	2, 4	2	2	2	2	2	2	2	2	2	No. of Cores
Sheath Material	LSZH FireFighter®	PVC						PVC			Sheath Material
Application	For Multi-room and Home Cinema Installations with protection against electrical interference	HiFi speaker cables						HiFi speaker cables			Application
Characteristics	IEC 60332-1, IEC 60754-1, IEC 61034-1	Professional HiFi and studio applications						Commercial grade			Characteristics
Specification	Link	Link						Link			Specification

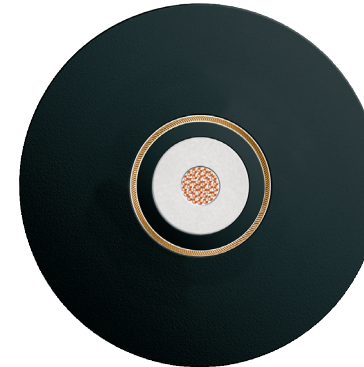
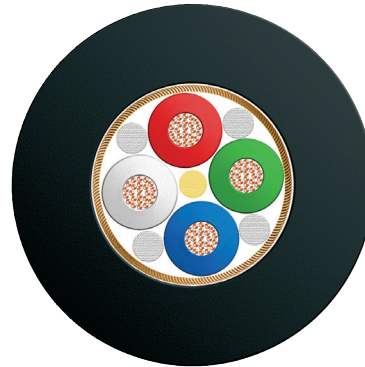
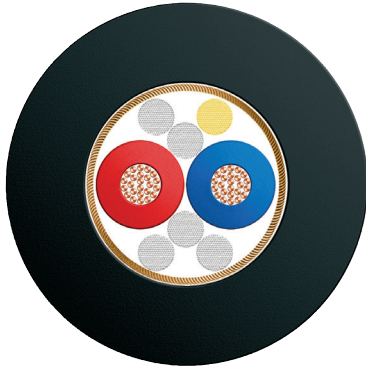


Microphone & Instrument Cables

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Event Series® Professional microphone cables have been developed using years of experience in the light and sound industry. Recognising how testing this environment can be careful consideration has been given to their construction , realising how important it is that a microphone cable is soft and pliable even at low temperatures whilst remaining flexible EventSeries raw materials are carefully chosen . The use of Kevlar threads are incorporated in the manufacturing process adding to the overall strength of the finished cable.

Microphone & Instrument Cables



Ref	MLX2	MLX4	ICEX1	Ref
Description	professional grade oxygen free microphone cable	professional grade oxygen free microphone cable	Instrument / Guitar cable	Description
No. of Pairs	1x2x0,22 mm ²	4x1x0,22 mm ² (twisted to starquad formation)	1x0,22 mm ²	No. of Pairs
Sheath Material	TPM	TPM	TPM	Sheath Material
Application	For on road/off road applications where flexibility and robustness is required	For on road/off road applications where flexibility and robustness is required	Professional low capacitance instrument/guitar cable for highest requirements (low noise)	Application
Characteristics	Soft & pliable anti kink	Soft & pliable anti kink	Soft & pliable anti kink	Characteristics
Specification	Link	Link	Link	Specification

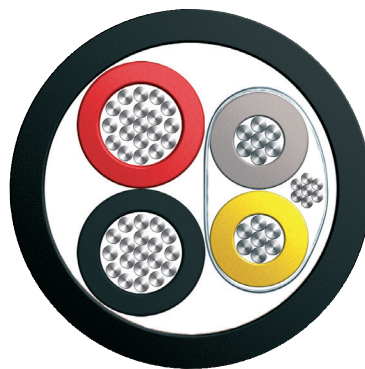


Digital Lighting Cables

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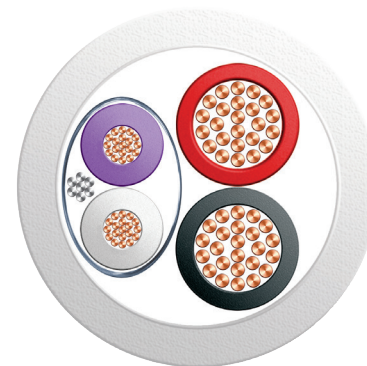
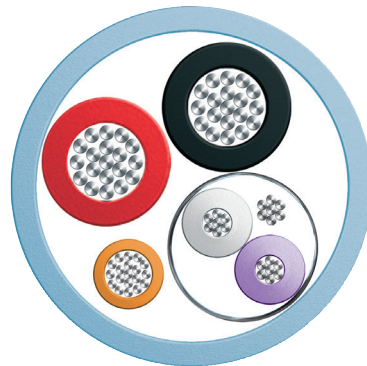
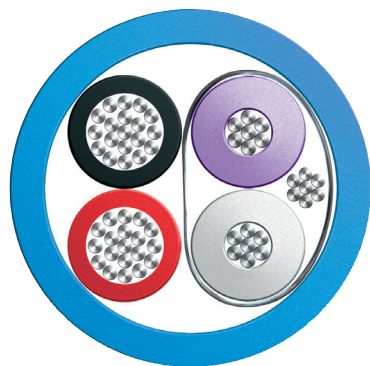
The DMX range complies with the requirements of DMX512-A and is an RS-485 based communications protocol that is most commonly used to control stage lighting and effects.

Digital Lighting Control



Ref	DMX	50005031	HYB-12904	Ref
Description	DMX Data range complying with the requirements of DMX512-A	Scroller Power & Data	Hybrid Power + DMX	Description
No. of Pairs	1, 2	2x24awg + 2x16awg	3x1,5mm ² /2,5mm ² + 1x2x22awg SF/UTP	No. of Pairs
Sheath Material	LSZH FireFighter®	LSZH FireFighter®	LSZH FireFighter®	Sheath Material
Application	most commonly used to control stage lighting and effects	Carries both power and data. The data cable satisfies the requirements of DMX 512	Carries both power and double shielded DMX	Application
Characteristics	IEC 60332-1, IEC 60754-1, IEC 61034-1	IEC 60332-1, IEC 60754-1, IEC 61034-1	IEC 60332-1, IEC 60754-1, IEC 61034-1	Characteristics
Specification	Link	Link	Link	Specification

Digital Lighting Control



Ref	5000182434	500012221834	5000162224	Ref
Description	Multimedia Hybrid Control Cable Power + Signal	Multimedia Hybrid Control Cable Power + Data + Sense	Hybrid Blind Control Cable Power + Signal	Description
No. of Pairs	1x2x0,35mm ² + 2x0,93mm ²	1x2x0,35mm ² + 2x3,30mm ² + 1x0,93mm ²	1x2x0,35mm ² + 2x1,32mm ²	No. of Pairs
Sheath Material	LSZH FireFighter®	LSZH FireFighter®	LSZH FireFighter®	Sheath Material
Application	multimedia control cable for use with Lutron *GRAFIK EYE™ 3000, 4000, 5000, 6000 systems and Crestron touchpanels, keypads, expansion modules	Hybrid multimedia control cable for use with Lutron *GRAFIK EYE™ for longer wiring distances (maximum 600m without repeater)	Commonly used for communication and control circuits as an alternative to QSH-CBL-M	Application
Characteristics	IEC 60332-1, IEC 60754-1, IEC 61034-1	IEC 60332-1, IEC 60754-1, IEC 61034-1	IEC 60332-1, IEC 60754-1, IEC 61034-1	Characteristics
Specification	Link	Link	Link	Specification



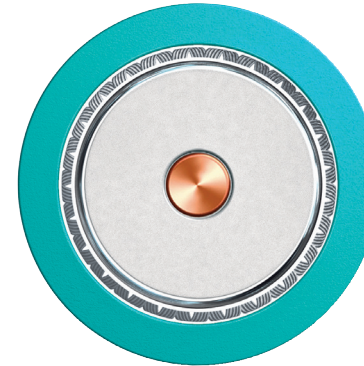
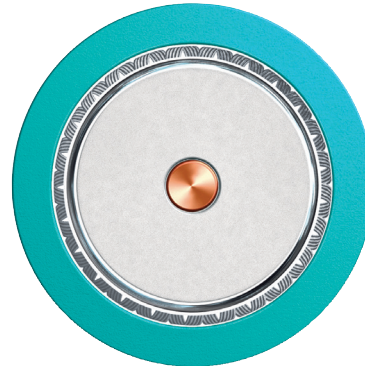
Broadcast Cables

15-20

EventSeries broadcast cables include a range of HD Coaxial cable for installation and outside broadcast ,up to and including versions for 4K/UHDTV(12G-SDI) most designs having FireFighter Low Smoke Zero Halogen properties as standard.

Camera cables using traditional Triax designs in soft flexible material for studio as well as PUR and LSZH versions .We now also have Hybrid fibre & power cables according to SMPTE 311M-HD.

Broadcast Cables HD Coax

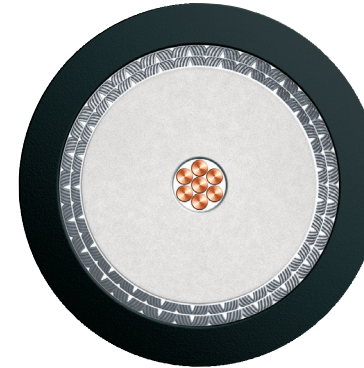
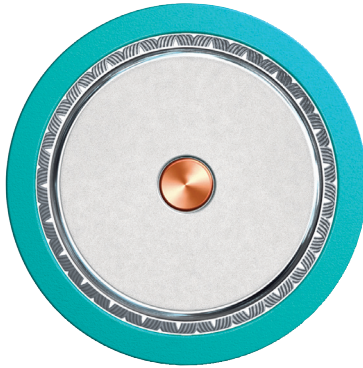


Ref	HD300	HD600	HD720	Ref
Description	75 Ohm Sub miniature HDTV and Serial Digital Video Cable	75 Ohm Serial Digital Video Cable	75 Ohm Serial Digital Video Cable	Description
Sheath Material	LSZH FireFighter®	LSZH FireFighter®	LSZH FireFighter®	Sheath Material
Application	specifically for "digital truck" wiring.	As well as being suitable for digital applications are also smaller, lighter and cost effective.	As well as being suitable for digital applications are also smaller, lighter and cost effective.	Application
Characteristics	IEC 60332-1, IEC 60754-1, IEC 61034-1	IEC 60332-1, IEC 60754-1, IEC 61034-1	IEC 60332-1, IEC 60754-1, IEC 61034-1	Characteristics
Specification	Link	Link	Link	Specification



Maximum calculated transmission lengths acc. to SMPTE

Broadcast Cables HD Coax



Ref	HD1000	HD850-01	HD920-01	Ref
Description	75 Ohm Serial Digital Video Cable	75 Ohm Stranded AES/EBU Digital Audio Coax	75 Ohm Stranded AES/EBU Digital Audio Coax for Extended Distances	Description
Sheath Material	LSZH FireFighter®	LSZH FireFighter®	LSZH FireFighter®	Sheath Material
Application	As well as being suitable for digital applications are also smaller, lighter and cost effective.	Designed for HD/SD applications in outside broadcast vehicles, patch bays or field deployment	Designed for HD/SD applications in outside broadcast vehicles, patch bays or field deployment	Application
Characteristics	IEC 60332-1, IEC 60754-1, IEC 61034-1	IEC 60332-1, IEC 60754-1, IEC 61034-1	IEC 60332-1, IEC 60754-1, IEC 61034-1	Characteristics
Specification	Link	Link	Link	Specification

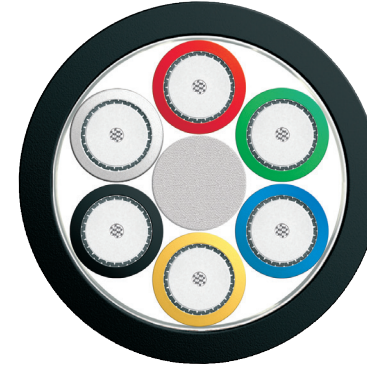
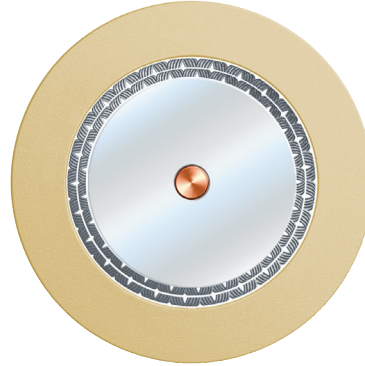


Maximum calculated transmission lengths acc. to SMPTE

Broadcast Cables HD Coax



4K READY
ULTRA HD

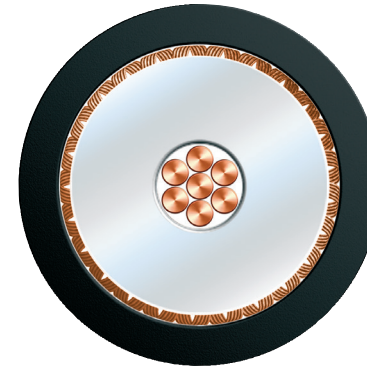
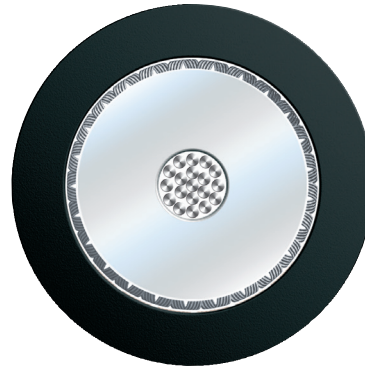
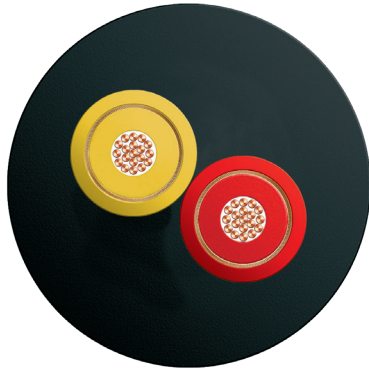


Ref	HD1630	VID	RGB	Ref
Description	75 Ohm Serial Digital Video Cable Extremely Low Loss	75 Ohm Low Loss Video Coax Cables Broadcast 2 & 3	75 Ohm Multicore Miniature Cable "RGB" Style	Description
No. of Units	1	1	1, 3, 4, 5, 6	No. of Units
Sheath Material	LSZH FireFighter®	LSZH FireFighter®	LSZH FireFighter®	Sheath Material
Application	4K / UHDTV (12G-SDI). exceeds the SMPTE Return Loss (RL) specifications for UHDTV.	Analogue Video Coaxials are manufactured in accordance with BBC style PSF 1/3 and 1/2	Intended for high performance video signal distribution including RGB, Sync etc.	Application
Characteristics	IEC 60332-1, IEC 60754-1, IEC 61034-1	IEC 60332-1, IEC 60754-1, IEC 61034-1	IEC 60332-1, IEC 60754-1, IEC 61034-1	Characteristics
Specification	Link	Link	Link	Specification



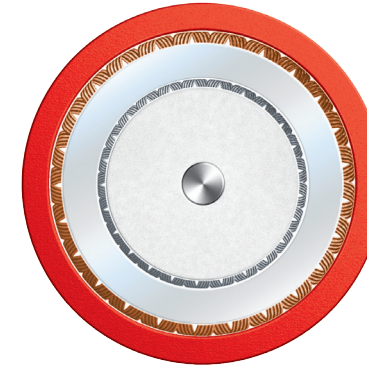
Maximum calculated transmission lengths acc. to SMPTE

Broadcast Cables HD Coax

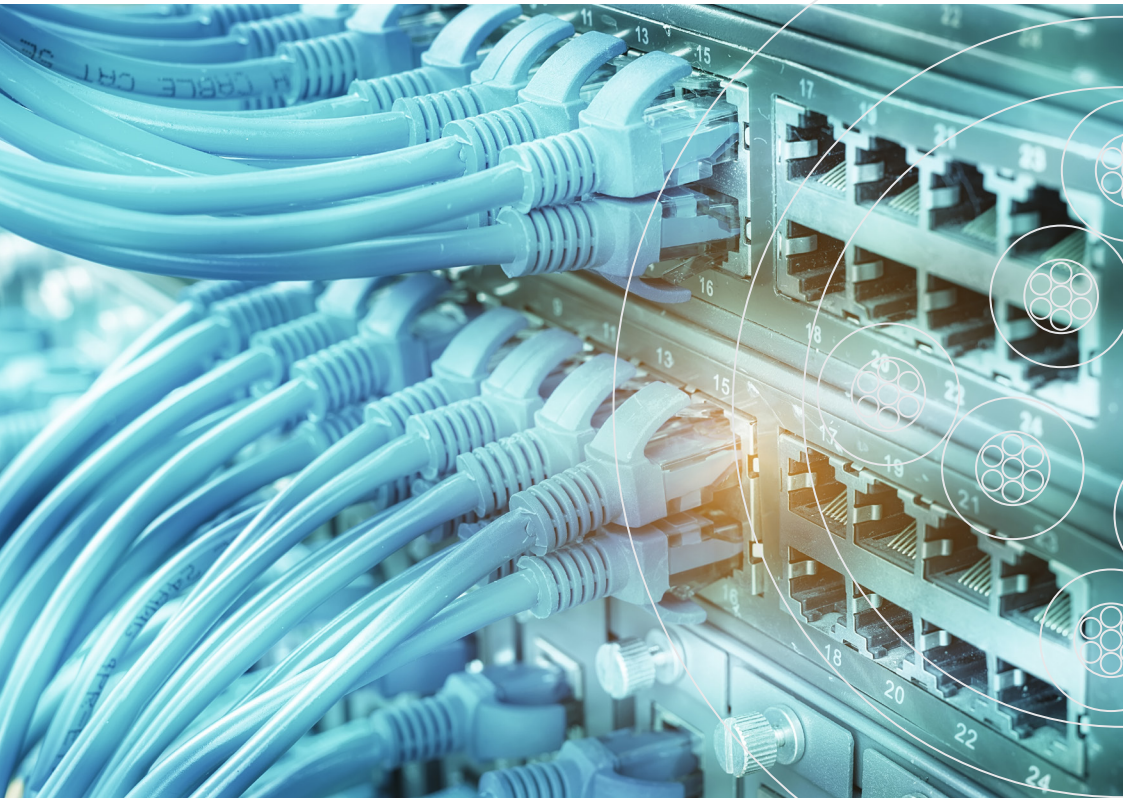


Ref	S-VHS	RG58C/U	RG213/U / URM67	Ref
Description	two core 75Ω coaxial	RF Coaxial Cable	RF Coaxial Cable	Description
Sheath Material	NBR	LSZH FireFighter®	LSZH FireFighter®	Sheath Material
Application	for use with 4 pin mini-DIN connectors as used in S-Video Y/C connections	Low power and RF interconnect	Low loss interconnect	Application
Characteristics	Soft and Pliable	MIL-C-17F; MIL-C-17G	MIL-C-17F / BS2316	Characteristics
Specification	Link	Link	Link	Specification

Broadcast Cables Camera Cable



Ref	806311M	406311M	Triax	Ref
Description	SMPTE 311M Hybrid HDTV Camera Cable	SMPTE 311M Hybrid HDTV Camera Cable	Triaxial Camera Cable For use in professional studio applications	Description
Formation	2xE9/125 - LIH 4x0.6 - LIH 2x0.22	2xE9/125 - LIH 4x0.6 - LIH 2x0.22	Triax 8,11,14	Formation
Sheath Material	LSZH FireFighter®	LSZH FireFighter®	PVC, TPE, LSZH, PUR, PE	Sheath Material
Application	Designed for high-definition (HD) cameras over long distances carrying audio, video and power	Designed for high-definition (HD) cameras over long distances carrying audio, video and power	For the simultaneous transmission of power and multiplex image signals between a camera and it's control unit.	Application
Characteristics	IEC 60332-1, IEC 60754-1, IEC 61034-1	IEC 60332-3-24, IEC 60754-1, IEC 61034-1	Studio , Outside Broadcast, Installation	Characteristics
Specification	Link	Link	Link	Specification



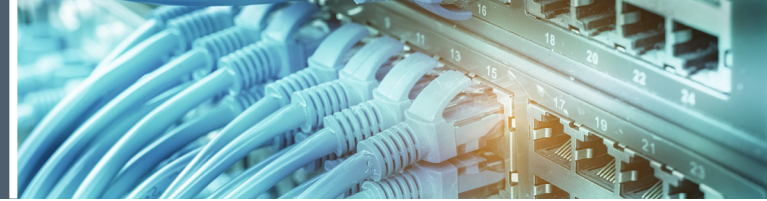
Tactical Ethernet Cables

21-22

The requirement for high quality Ethernet cables in Audio & Broadcast is as important as any other industry but it is particularly important that any designs makes allowances for the demands of this harsh environment .

The challenge to create compliant cables which are durable and portable has been met within the EventSeries and is available from CAT5e to CAT 7.

Tactical Ethernet Cables



Ref	2442	2543	7544	Ref
Description	CAT5e U/UTP Tactical ethernet cable <350MHz>	CAT5e SF/UTP Tactical ethernet cable <350MHz>	CAT7 SF/UTP Tactical ethernet <600MHz>	Description
Formation	4x2x24/7awg	4x2x24/7awg	4x2x23/1awg	Formation
Sheath Material	Dual Jacket of Flexible Technical Polymer Compound	Dual Jacket of Flexible Technical Polymer Compound	PUR	Sheath Material
Application	Portable & Touring	Portable & Touring	Portable & Touring	Application
Characteristics	Soft and pliable ,can be terminated using standard RJ45 connectors to inner sheath by using oversized PGSXL or field termination tool-less PGSMC termination to outer sheath can be made	Soft and pliable ,can be terminated using standard RJ45 connectors to inner sheath by using oversized PGSXL or field termination tool-less PGSMC termination to outer sheath can be made	Incredibly robust , oil & chemical resitant	Characteristics
Specification	Link	-	-	Specification

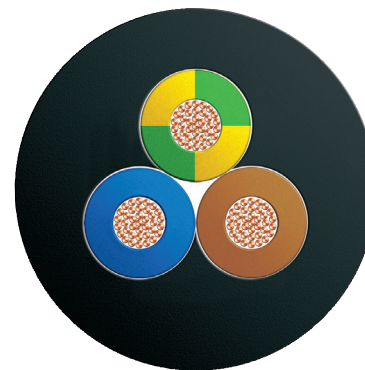
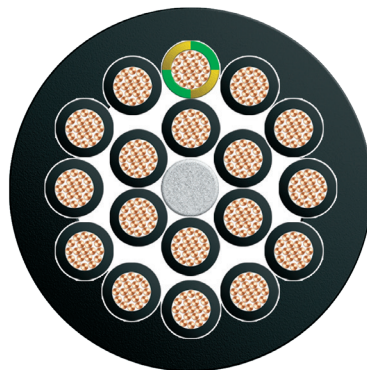
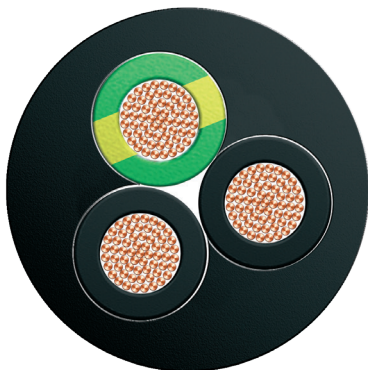
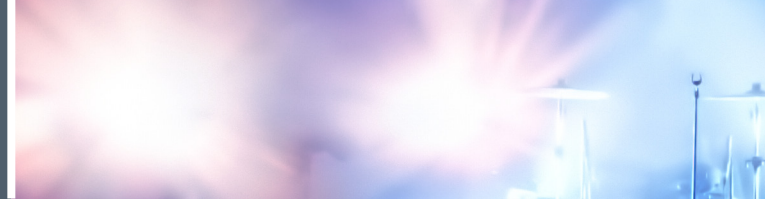


Lighting, Power & Control Cables

23-25

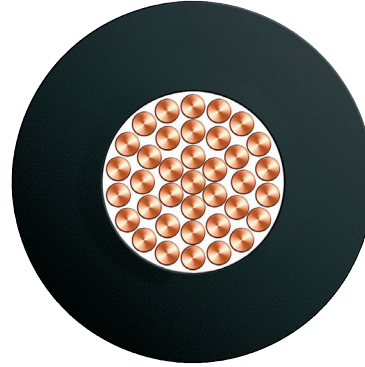
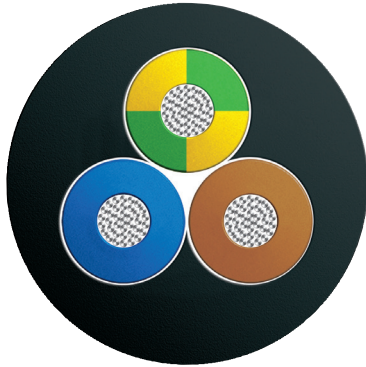
EventSeries Lighting power and control include cables for stage lighting in soft pliable materials , Low Smoke Zero Halogen , Harmonised rubber or heat resistant silicone.

Lighting, Power & Control Cables



Ref	FHL		ZHL		H07 RN-F	Ref
Description	Extra supple lighting control cables with good flexibility and mechanical resistance		Lighting control cables where LSZH performance are specified		Single and Multi core harmonised rubber cables	Description
Conductor Size	1,50 mm ²	2,50 mm ²	1,50 mm ²	2,50 mm ²	multiple cores and sizes available. Please see below specification link for more details	Conductor Size
No. of Cores	3, 18	3, 18	3, 18	3, 18		No. of Cores
Sheath Material	Soft Thermoplastic Polymer		LSZH FireFighter®		Elastomeric	Sheath Material
Application	For use with "Socapex" Style 19 pin connectors		For use with "Socapex" Style 19 pin connectors		For industrial applications which require frequent handling, trailing and flexing	Application
Characteristics	Soft and Flexible		IEC 60332-1, IEC 60754-1, IEC 61034-1		<HAR> EN 50525-2-21	Characteristics
Specification	Link		Link		Link	Specification

Lighting, Power & Control Cables



Ref	SIHF	FF90	Ref
Description	Flexible silicone rubber insulated and sheathed, heat resistant Multi core cable	Flexible (class 5) single core 450/750 V	Description
Conductor Size	multiple cores and sizes available. Please see below specification link for more details	0,75 to 50,0 mm ²	Conductor Size
No. of Cores		1	No. of Cores
Sheath Material	Silicone rubber	LSZH FireFighter®	Sheath Material
Application	Low or High Temperature installations	Flexible single core for panel wiring or speaker interconnect	Application
Characteristics	-50°C up to +180°C	BS EN 50525-3-41 90°C BASEC <HAR>	Characteristics
Specification	Link	Link	Specification



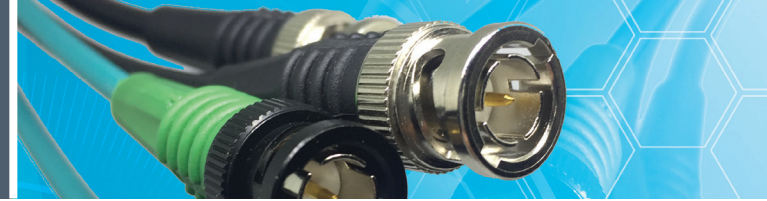
Connectors & Tools

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A range of carefully selected connectors and tools are included to complement the EventSeries from leading manufacturers, these include 12GHz HD connectors, 19 pin "Socapex" style, multipin Audio connectors and industrial "Ceeform" type.

We also have a range of suitable tooling.

Connectors & Tools

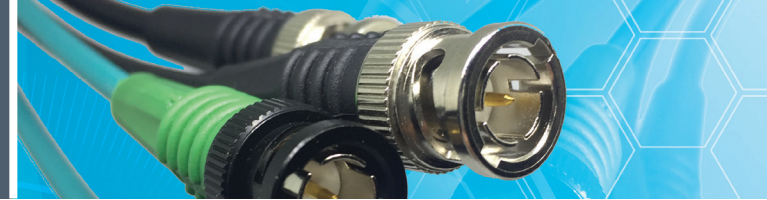


4K READY
ULTRA HD



Ref	HD-BNC	TL-9565	Ceeform Industrial plugs and sockets	Ref
Description	HD-BNC connector series specially designed to guarantee excellence in broadcast signal integrity	Coax Crimp Tool Kit	16amp and 32amp single phase and three phase	Description
Material	Available in Nickel Plated or Black Chrome body	Various	Thermoplastic	Sheath Material
Application	For use with EventSeries HD300, HD600, HD720, HD850-01, HD1000, HD1630	Crimp tool kit for HD-BNC connectors	LS-Type Connectors for stage equipment	Application
Characteristics	12G-SDI 4K single channel compliant, excellent VSWR and return loss UPT 12 Ghz	Incredibly versatile tool kit which allows termination to many RG/URM coax cables and all of our HD range	IP44 200-250v , 380-415V	Characteristics
Specification	Link	Link		Specification

Connectors & Tools



Ref	Showline	Tourline	Proline	Ref
Description	19 Pin Socapex Compatible Connectors	Professional Multipin Connectors	Professional Audio Connectors	Description
Formation	Cable mounted and panel mounted male and female	13 poles (4 channel) to 150 poles (48 channels)	Hermaphrodite design 122 way for up to 40pair cable 176 way for up to 56 pair	Formation
Material	Machined aluminium housing with a hard wearing black finish provides enhanced durability	Increased wall metal housing	Metal housings are machined , hard black anodised provides enhanced durability	Sheath Material
Application	Showline 19 pin Socapex compatible connectors for entertainment lighting systems.	Entertainment and Broadcast audio	North American Standard Audio Multipins for Entertainment	Application
Characteristics	6-circuit design features 12 interlocking keys to help prevent spinning of the interior within the housing IP67 when mated , silver plated brass contacts	IP67 when mated , minimum 2000 matings , Gold plated removable crimp or fixed solder contacts	IP67 when mated , crimp or solder contacts	Characteristics
Specification	Link	Link	Link	Specification

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