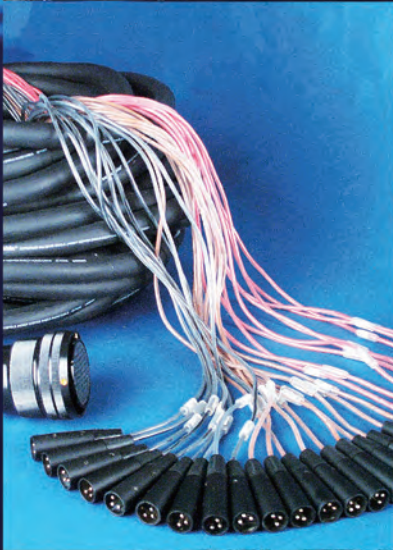
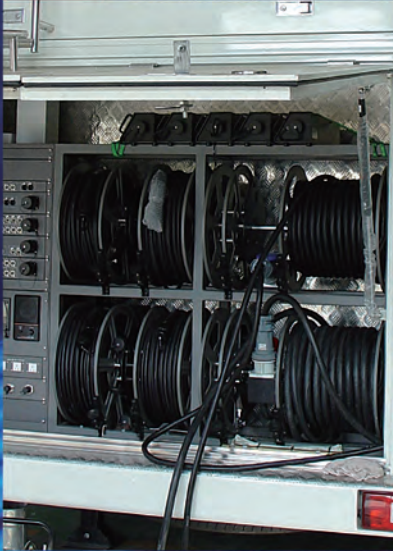




Pro Audio & Broadcasting Cables

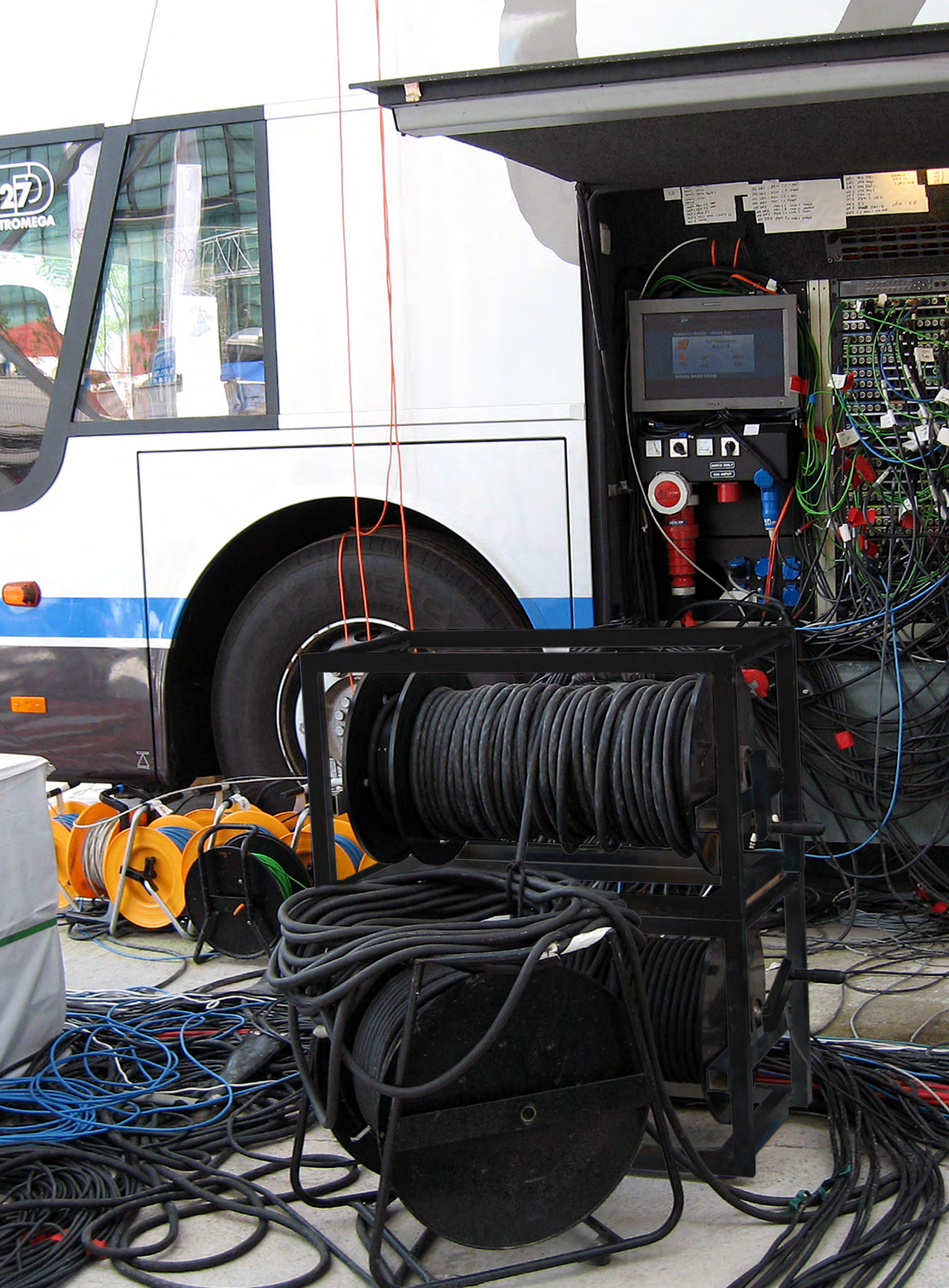
HIROSYS
BROADCASTING PRODUCTS

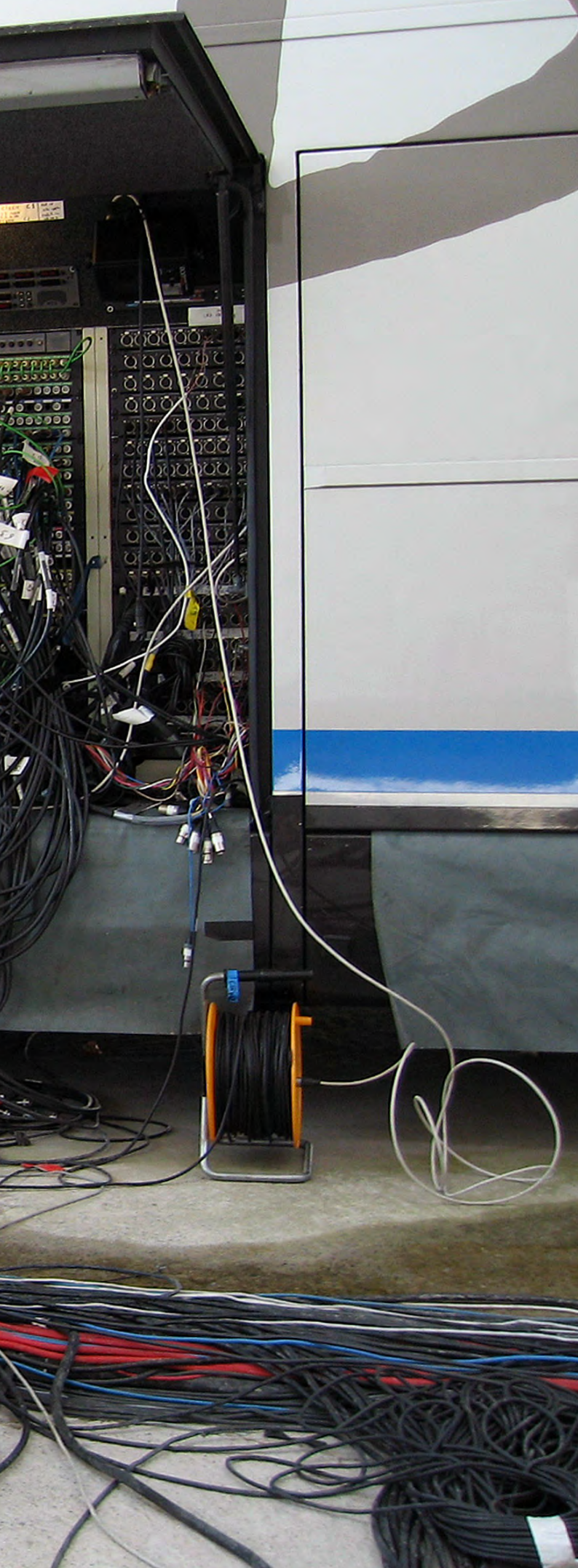
HIROSYS

HiroSys is a professional audio brand, specializing in the design, development and manufacture of broadcast-grade audio systems. Our team is dedicated to the creation of high-technology audio electronics, translating conceptual innovations into practical broadcasting applications.

HiroSys products are focused on high performance systems that address both the general professional audio market, as well as the specific requirements of the installation sector. Reflecting our stringent quality control policy, our engineers pay meticulous attention to electronic component selection, accurate PCB layouts and precise system integration. Our goal is to develop and manufacture the highest quality products at economic prices.

Our products include a range of practical, problem-solving devices, such as multi-channel microphone and line distribution systems; cabling systems; signal splitters, combiners and converters, plus microphone and headphone amplifiers. Our dedicated professionalism, and uncompromising attitude to quality, is reflected in the high engineering standards of our products. We are proud of our successful 10-year track record in serving the pro-audio industry.





Cable System

OB1 Hybrid Cable System	4
Multi-channel Cable Systems	5

Cable

OB1	7
HD3G-SDI	8
COAXDS-RG8	8
ABAS222	9
DBS234	9
DAS08222	10
DAS12222	10
DAS16222	10
SC225	11
SC240	11
SC425	12
SC440	12

Stage Box

DSB08FM	14
DSB12FM	15
DSB16FM	16
DSB28FM	17
HDDSBHSOB1-M	18

Connector

Multipin Connectors	19
BNCP-3G	20
BNCPJ3G	20
BNCP-7/U	20
NP-8/U	20
NJ-8/U	20



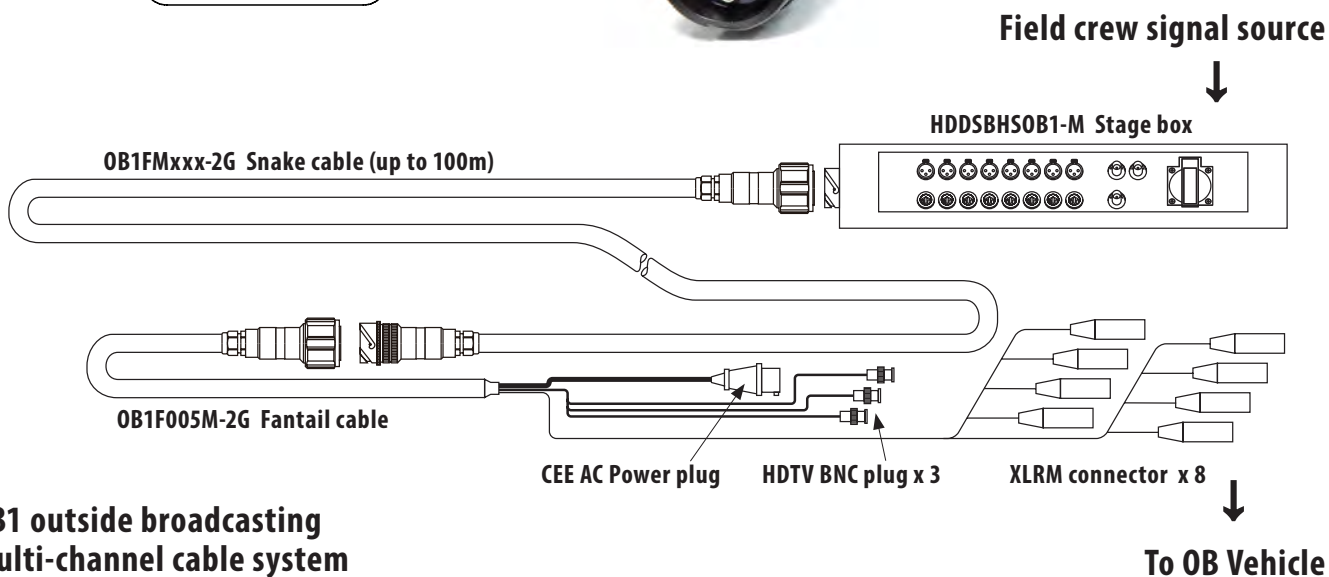
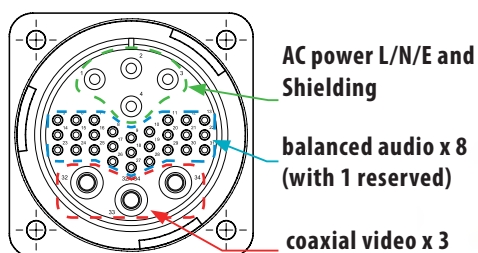
OB1 hybrid multi-channel cable system

OB1 cable system is designed for television studio, outside broadcast vehicles and large-scale live performance application.

OB1FMxxx-2G snake cable included 8 high-quality digital audio cables, 3 coaxial video cables (Red, Green, Blue) that allow transmission of 3G-SDI (3Gb/s) signals up to 100 meter under **SMPTE 424M** standard. It also embedded a shielded 3 core power cable with a wire cross-section of $3 \times 2.5\text{mm}^2$.

The snake cable can be connected **HDSBHSOB1-M** stage box and/or **OB1F005M-2G** (or **OB1M005F-2G**) fantail cable in both ends for high-performance outside broadcasting applications.

The system uses the high-quality OB1 hybrid cable that can provide high-definition digital video and audio transmission with AC power connection. It can facilitate the mobility of broadcast engineers for wiring work in a short time.



**OB1 outside broadcasting
multi-channel cable system**

Multi-channel cable systems

HiroSys cable systems offer a unique all-in-one design to save time and money for multi-channel cable storage and system component integration. As part of a cable system, Fantail and Snake Cables provide the means to interconnect stage boxes, or hardwired cable reel snakes with a multitude of stage or ENG production. Fantails generally are the break out portion of the snake, terminated with a multipin round bayonet connector, that extends with snake cables, generally terminated with multipin round bayonet connectors on both ends of the cable.

The cables are easier to set up, configure by very flexible material with soft and durable characteristics. Each set of multi-channel audio cable is independent shielded separation. It can be set in the output and input on the application of remote audio transmission. The video coaxial wire can transmit up to 3Gb/s high-speed digital signal and AC power supply. Cable length can be customised by actual needs.

Multi-channel audio fanout cable (FANTAIL) has a multipin connector at one end and individual connectors on the other end. Each audio pair is protected by a special "Heat-shrink" jacket that maintains flexibility.

Stage extension cable (SNAKE CABLE) is used to connect both ends of the multi pair cable. The snake cable provides advantage of having separate input and output channels on stage while running only one "long distance cable" (Stage to Console) with the flexibility of rolling up the snake cable with a cable reel.

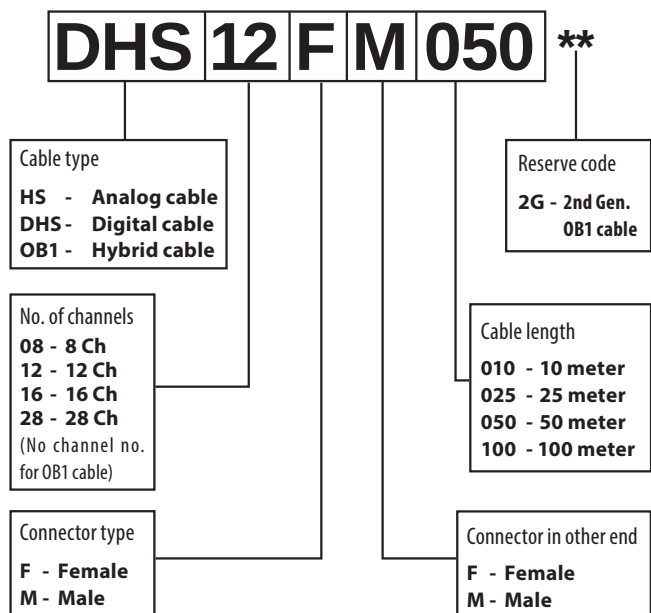
A mesh cable grip features a swivel design that provides superior cable pull-out protection.

Especially designed to minimize cable stress, the cable reels are particularly useful in live applications where quick and easy winding and unwinding are required. Sturdily constructed, they enable cables to be neatly and safely stored away. Ideal for OB Vehicle applications, available on wheels or in flight-cases.

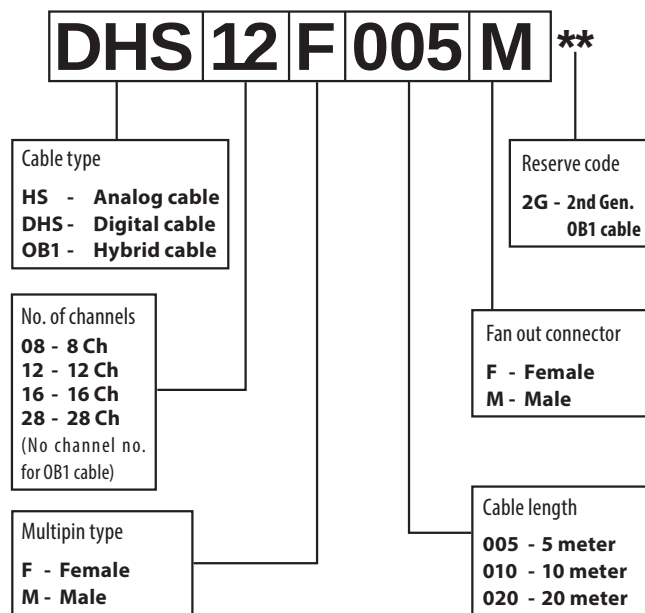


Multi-channel Cable Ordering code

Snake Cable



Fantail Cable



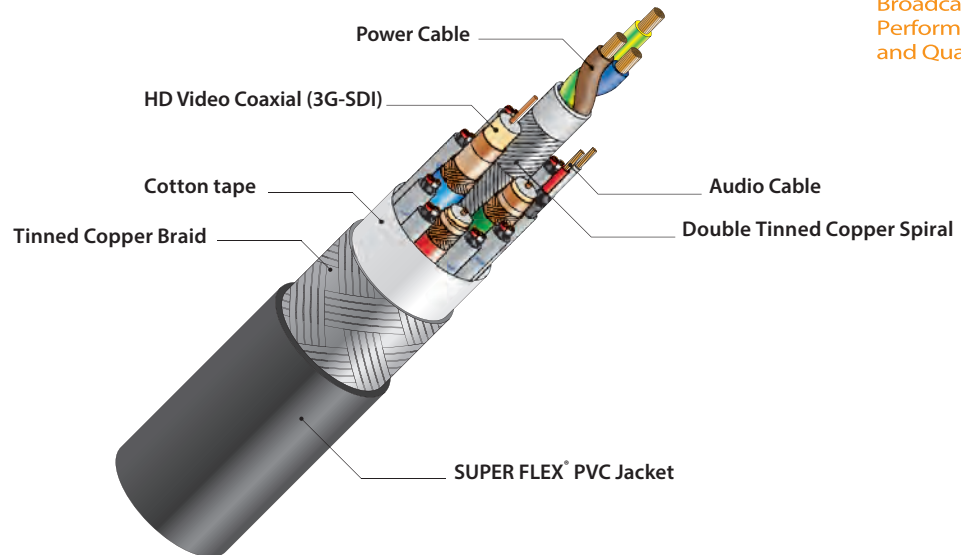


HiroSys Cable

Our high-end audio cables, video cables, hybrid cables and speaker cables can provide an ideal solution for broadcast and live performance applications.

Audio cable and multi-core cables series are the most frequently applied. The multi-core cable can be chosen to fit multi-pin connectors for simple installation.

The multi-core cable can be used for transmitting multi-channel microphone or line-level signals. It often used in the devices of recording studios, radio and TV stations systems, as well as outside broadcasting.

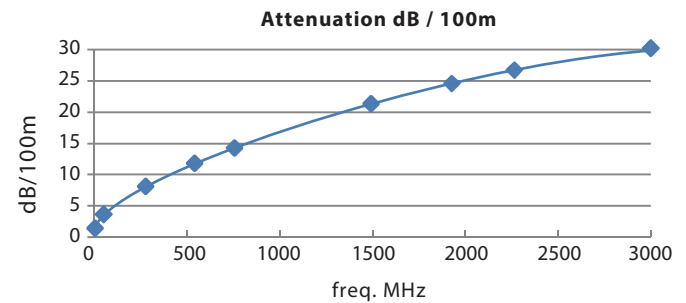


OB1 Hybrid Cable

HiroSys OB1 cable is designed for outside broadcasting applications where it is necessary to combine in single cable different signals: audio, video and power. This allows having only one cable running from the field where camera, monitor and mixer are located to the OB vehicle. The power conductors have a double spiral tinned copper shield and overall tinned copper braid shield and PVC jacket complete the cable.

- Digital 3G-SDI transmission including digital audio and power supply
- Transmission distance under SMPTE 424M is up to 100m for 3Gb/s signal
- Excellent shielding and super low damping values
- Ideal for broadcasting vehicle applications, sporting events and big live performance

SIGNAL ATTENUATION



CONSTRUCTION

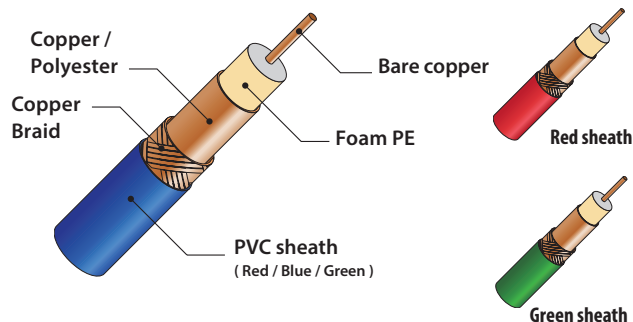
● Element 1 (Power)	Bare Copper Cross Section : 2.50mm ²
	PVC Insulation
	Cotton Tape
	Double Tinned Copper Spiral
	Cotton Tape ø = 7.68 mm
	Insulation Colour Code: Blue / Brown / Yellow-Green
● Element 2 (Audio 8 pairs)	Bare Copper Cross Section : 0.22 mm ²
	XLPE Insulation
	Tinned Copper Spiral
	GREY PVC Jacket with numbers ø = 2.80 mm
	Pairs Colour Code: rosso / red
● Element 3 (Video 3xHDTV) (Red, Blue, Green)	Bare Copper
	Foam PE Insulation
	Al/My/Al foil + Tinned Copper Braid
	Coverage > 90%
	PVC Jacket ø = 7.20mm
	Jacket Colour Code: Red / Blue / Green

Cotton tape over the twisting

● Shield :	Textile	Braid
● Shield :	Tinned Copper Braid	Coverage > 80%
● Jacket :	SUPER FLEX® PVC	BLACK ø = 24.5mm
● Approx. Weight :	690kg / km	

ELECTRICAL CHARACTERISTICS

● Element 1 (Power)	Conductor Resistance :	< 10Ω / km
	Insulation Resistance :	> 12MΩ x km
	Working Voltage :	300/500 V
	Test Voltage :	2 kV
● Element 2 (Audio 8 pairs)	Conductor Resistance :	< 16Ω / km
	Insulation Resistance :	> 100MΩ x km
	Cond./cond. Capacitance :	60pF / m
	Cond./shield Capacitance :	110pF / m
● Element 3 (Video 3xHDTV)	Characteristic impedance :	75Ω
	Capacitance :	51pF / m
	Velocity ratio :	85%
	Inner DC resistance :	16Ω / Km
	Outer DC resistance :	11.5Ω / Km



HD3G-SDI HD Coaxial Cable (3Gb/s)

HiroSys HD3G-SDI Coaxial Cable is designed to be applied video signal transmission and serial data up to 3.0Gb/s. Exceeding the requirements specified in SMPTE 424M that is perfect for 3G-SDI and HD-SDI video systems. The cable can provide long-distance transmission of 1080p HD signal. The bare wire core with high purity copper, and copper spiral network as shielding for installations with interferences due to the high depth of penetration. Outer sheath with red, blue and green color of PVC plastics manufacturing with anti-corrosion properties. It can be used for fixed wiring in harsh environments.

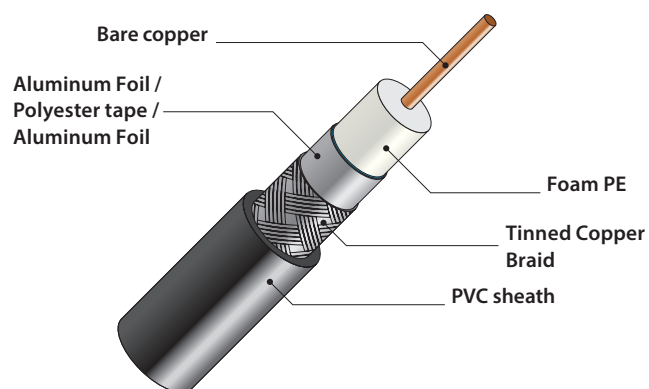
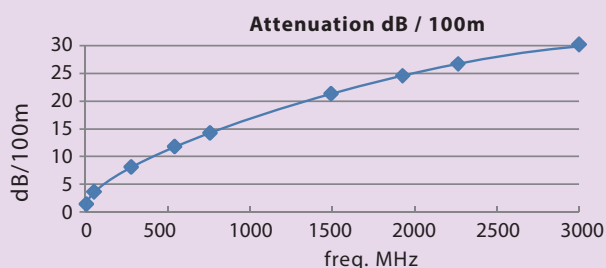
CONSTRUCTION

● Inner conductor :	Bare copper wire $\phi = 1.20$ mm
● Insulation :	Foam PE $\phi = 5.20$ mm
● Inside Shield :	Copper / Polyester
● Outside Shield :	Copper Braid. Coverage > 77%
● Jacket :	PVC outer sheath $\phi = 7.1$ mm
● Approx. Weight :	57kg / km

ELECTRICAL CHARACTERISTICS

● Characteristic impedance :	75 Ω
● Capacitance :	51pF / m
● Velocity ratio :	85%
● Inner DC resistance :	16 Ω / Km
● Outer DC resistance :	11.5 Ω / Km

SIGNAL ATTENUATION



COAXDS-RG8 50 Ω RG8 Coaxial Cable

HiroSys COAXDS-RG8 analog and digital coaxial cable feature 50 Ω nominal impedance, aluminum foil and tinned copper braid shields. The cable is engineered for critical application in the high signal sequences of wireless and data communication system where lower attenuation required. The 50 Ω coaxial cable is used in most Radio Frequency and Microwave Transmission, Local Area Network (LAN), computer and many instrumentation / control applications.

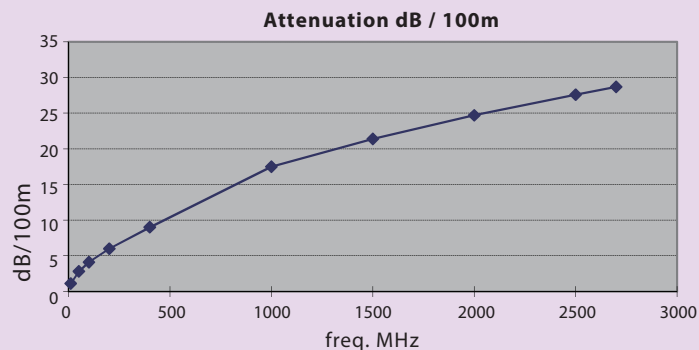
CONSTRUCTION

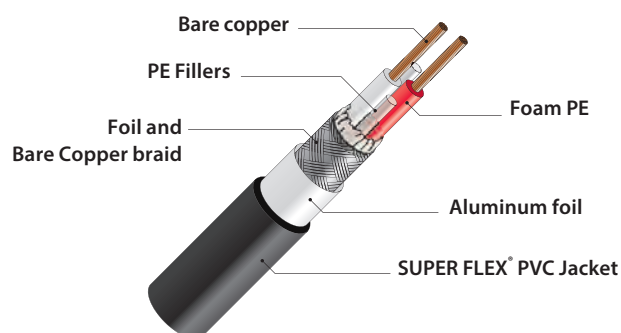
● Inner conductor :	Bare copper $\phi = 2.60$ mm
● Insulation :	Foam PE $\phi = 7.20$ mm
● Inside Shield :	Aluminum Foil / Polyester tape / Aluminum Foil
● Outside Shield :	Tinned Copper Braid Coverage > 77%
● Jacket :	PVC outer sheath $\phi = 10.2$ mm
● Approx. Weight :	138kg / km

ELECTRICAL CHARACTERISTICS

● Characteristic impedance :	50 Ω
● Velocity ratio :	80%
● Capacitance :	85pF / m

SIGNAL ATTENUATION





ABAS222

Double Shielded OFC Audio Cable

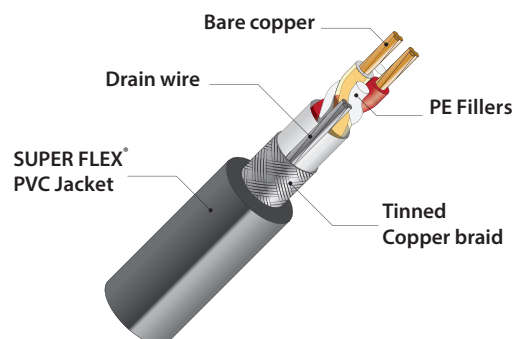
HiroSys ABAS222 double shielded audio cable has been designed for outdoor application, featuring high flexibility and high temperature resistance, with even more protection against noise. Consist of two insulated twisted conductors and drain wires, double shielded by aluminum foil and bare copper braid for higher efficient shielding from hum, noise, radio interference and electromagnetic fields.

CONSTRUCTION

● Inner conductor :	Bare Copper Cross Section : 0.22 mm ² (IEC 228 class 6)
● Insulation :	Foam PE ϕ = 1.40 mm (White / Red)
● Core arrangement :	2 conductors twisted with polypropylene fillers
● Shield :	Foil + Bare Copper braid Coverage > 90%
● Jacket :	SUPER FLEX® PVC ϕ = 6.0 mm
● Colour :	Black
● Approx. Weight :	47kg / km

ELECTRICAL CHARACTERISTICS

● Conductor Resistance :	< 86 Ω /km
● Capacitance cond./cond. :	48pF / m
● Capacitance cond./shield :	75pF / m
● Insulation Resistance :	> 40,000 M Ω / km
● Service Temperature :	-20°C / +70°C



DBS234

Digital Audio Cable

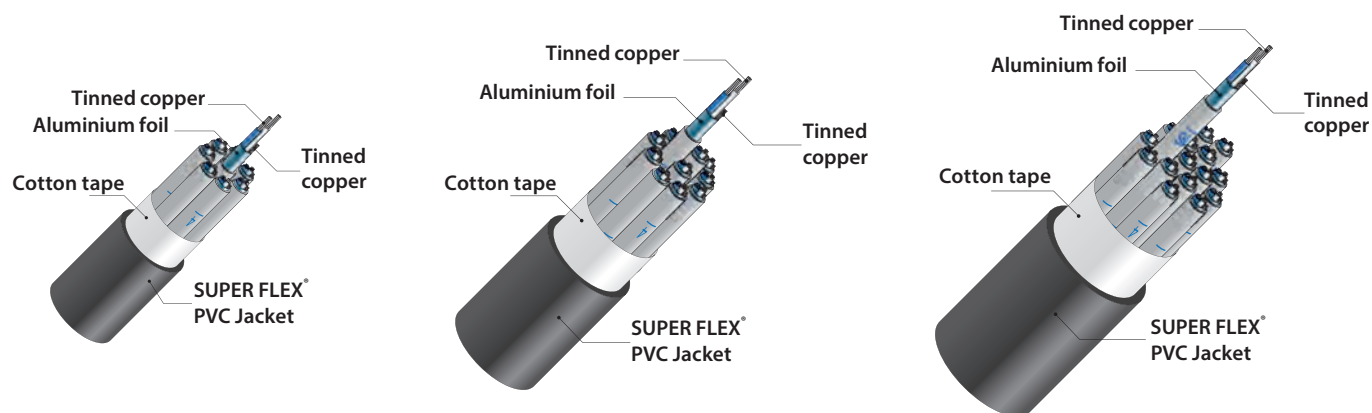
HiroSys DBS234 digital cable is engineered for the connection of Audio digital equipment. Featuring 110 Ω nominal impedance and extremely low capacitance (within the standards set by AES/EBU) are suitable to carry high quality multiple digital audio signal. The high velocity of propagation shortens signal delay, providing error-free transmissions over extended-distance. The material used guarantee the high flexibility and long flex required for professional audio applications.

CONSTRUCTION

● Inner conductor :	Bare Copper Cross Section : 0.34 mm ²
● Insulation :	PE ϕ = 1.40 mm (Red / Natural)
● Core arrangement :	2 conductors twisted in concentric layers with filler
● Tape :	Cotton tape
● Shield :	Tinned Copper braid + drain wire
● Jacket :	SUPER FLEX® PVC ϕ = 6.50 mm
● Colour :	Black
● Approx. Weight :	62kg / km

ELECTRICAL CHARACTERISTICS

● Conductor Resistance :	< 56 Ω /km
● Capacitance cond./cond. :	44pF / m
● Capacitance cond./shield :	69pF / m
● Impedance :	110 Ω
● Insulation Resistance :	> 10,000 M Ω / km
● Service Temperature :	-20°C / +70°C



DAS08222 (8 pairs) | DAS12222 (12 pairs) | DAS16222 (16 pairs) Digital Audio Multi-pair Cables

HiroSys multi-pair cables are engineered for the multiple connection of Audio digital equipment. Featuring 110 Ω nominal impedance and extremely low capacitance (within AES/EBU standard) are suitable to carry high quality multiple digital audio signal in both fixed and outdoors applications. The high velocity of propagation shortens signal delay, providing error-free transmissions over extended-distance. The material used guarantee the high flexibility and long flex required for professional audio applications.

The pairs are twisted and banded together by a holding tape; pairs are individually numbered for easy identification. Available as standard in configuration by 8 pairs, 12 pairs and 16 pairs.

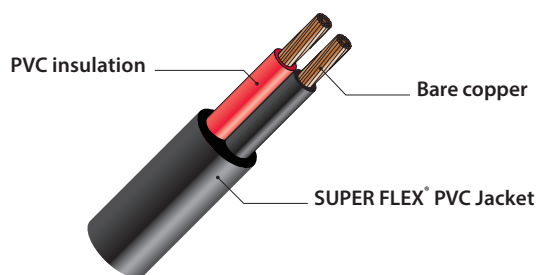
CONSTRUCTION

● Inner conductor :	Stranded Tinned Copper 28 x 0.10 mm
● Cross section :	0.22 mm ²
● Insulation :	Foam PE white and blue $\varnothing$ 1.20 mm
● Pair stranding :	2 conductors twisted in pairs
● Drain wire :	Tinned copper 7 x 0.18 mm each pair
● Pair Shield :	Aluminium foil coverage 100%
● Pair Jacket :	Flexible PVC grey with numbers $\varnothing$ 3.00 mm
● Cable stranding :	8, 12 or 16 pairs twisted in layers
● Tape :	Cotton
● Jacket :	Super Flexible PVC matt black
● Working temperature :	-30°C / +70°C
● Min. bending radius:	12 x overall diameter

	DAS08222	DAS12222	DAS16222
● Approx. Overall Diameter :	$\varnothing$ 13.40 mm	$\varnothing$ 15.80 mm	$\varnothing$ 17.60 mm
● Approx. Weight :	183 kg / km	252 kg / km	345 kg / km

ELECTRICAL CHARACTERISTICS

● Conductor Resistance :	< 86 Ω /km
● Capacitance cond./cond. :	37 pF/m
● Capacitance cond./shield :	57 pF/m
● Inductance :	0.37 mH / km
● Characteristic Impedance :	110 Ω
● Attenuation :	1 MHz - 2.3 dB/100 m, 3 MHz - 4 dB/100 m, 10 MHz - 7.3 dB/100 m
● Crosstalk Attenuation :	> 100 dB (15 KHz), > 50 dB (10 MHz)
● Insulation Resistance :	> 10 G Ω x km
● Vel. of propagation :	80%
● Service temperature :	-20°C / +70°C



SC225

Speaker Cable 2 x 2.5mm²

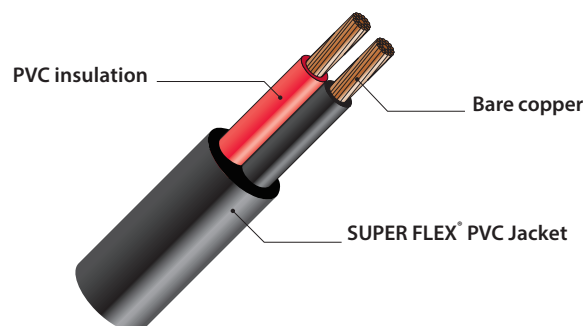
HiroSys SC225 speaker cable is designed for connection of signals from power amplifiers to loudspeakers. Large copper conductor area provide better power transfer and good dynamics. Special stranded wires can improve clarity and more natural music reproduction. Wide dynamic range is improved bass performance and extended frequency response. The super flexible jacket can be installed easily and bear resist abrasion.

CONSTRUCTION

● Inner conductor :	Bare Copper Cross Section : 2.50 mm ² (80 x ø0.20 mm)
● Insulation :	PVC ø = 3.40 mm (Red / Black)
● Core arrangement :	2 conductors twisted in concentric layers
● Jacket :	SUPER FLEX® PVC ø = 9.20 mm
● Colour :	Black
● Approx. Weight :	135kg / km

ELECTRICAL CHARACTERISTICS

● Conductor Resistance :	< 8 Ω/km
● Service Temperature :	-20°C / +70°C
● Insulation Resistance :	> 200 MΩ / km
● Test Voltage :	2,000 V
● Max. Operating Voltage :	300 V



SC240

Speaker Cable 2 x 4.0mm²

HiroSys SC240 speaker cable is designed for connection of signals from power amplifiers to woofer loudspeakers. The unusually high conductor cross-section minimizes line loss. Special stranded wires can improve powerful woofer sound reproduction.

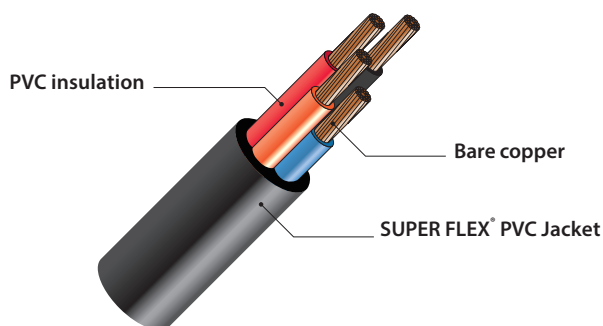
The super flexible jacket can be installed easily and bear resist abrasion.

CONSTRUCTION

● Inner conductor :	Bare Copper Cross Section : 4.00 mm ² (126 x ø0.20 mm)
● Insulation :	PVC ø = 4.00 mm (Red / Black)
● Core arrangement :	2 conductors twisted in concentric layers
● Jacket :	SUPER FLEX® PVC ø = 11.50 mm
● Colour :	Black
● Approx. Weight :	216kg / km

ELECTRICAL CHARACTERISTICS

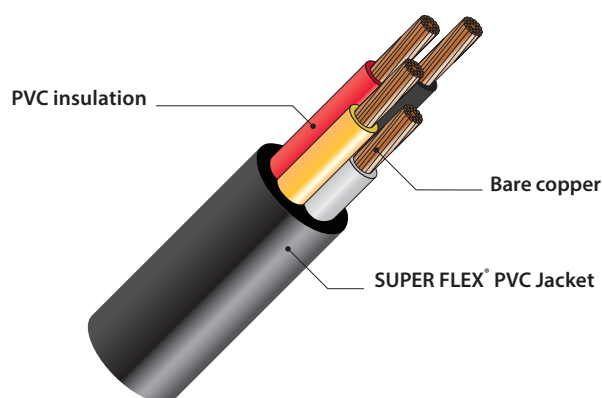
● Conductor Resistance :	< 5 Ω/km
● Service Temperature :	-20°C / +70°C
● Insulation Resistance :	> 200 MΩ / km
● Test Voltage :	2,000 V
● Max. Operating Voltage :	300 V



SC425

Speaker Cable 4 x 2.5mm²

HiroSys SC425 quad conductors speaker cable is designed for distribution of signals from power amplifiers to loudspeakers. Large copper conductor area provide better power transfer and good dynamics. Special stranded wires can improve clarity and more natural music reproduction. Wide dynamic range is improved bass performance and extended frequency response. The numbered black colour with red conductors are bolder together by super flexible jacket. The cable can be installed easily and bear resist abrasion.



SC440

Speaker Cable 4 x 4.0mm²

HiroSys SC440 quad conductors speaker cable is designed for distribution of signals from power amplifiers to woofer loudspeakers. The unusually high conductor cross-section minimizes line loss. Special stranded wires can improve powerful woofer sound reproduction. The numbered black colour with red conductors are bolder together by super flexible jacket. The cable can be installed easily and bear resist abrasion.

CONSTRUCTION

● Inner conductor :	Bare Copper Cross Section : 2.50 mm ² (80 x ø0.20 mm)
● Insulation :	PVC ø = 3.40 mm (Red / Black / Orange / Blue)
● Core arrangement :	4 conductors twisted in concentric layers
● Jacket :	SUPER FLEX® PVC ø= 11.10 mm
● Colour :	Black
● Approx. Weight :	224kg / km

ELECTRICAL CHARACTERISTICS

● Conductor Resistance :	< 8 Ω/km
● Service Temperature :	-20°C / +70°C
● Insulation Resistance :	> 200 MΩ / km
● Test Voltage :	2,000 V
● Max. Operating Voltage :	300 V

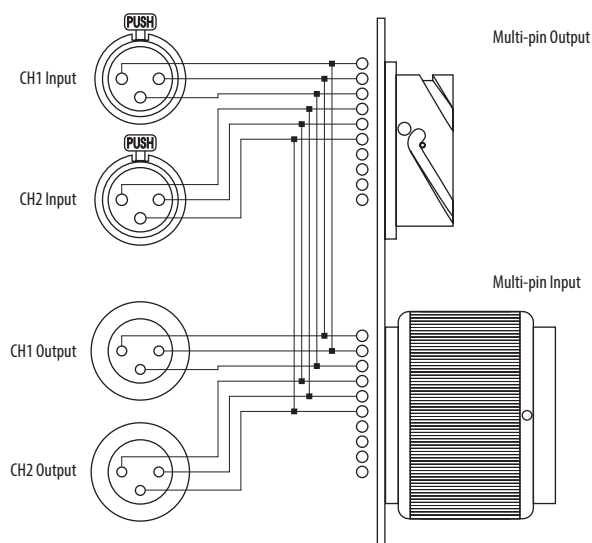
CONSTRUCTION

● Inner conductor :	Bare Copper Cross Section : 4.0 mm ² (126 x ø0.20 mm)
● Insulation :	PVC ø = 4.0 mm (Red / Black / White / Yellow)
● Core arrangement :	4 conductors twisted in concentric layers
● Jacket :	SUPER FLEX® PVC ø= 13.30 mm
● Colour :	Black
● Approx. Weight :	320kg / km

ELECTRICAL CHARACTERISTICS

● Conductor Resistance :	< 5 Ω/km
● Service Temperature :	-40°C / +80°C
● Insulation Resistance :	> 1 MΩ / km
● Test Voltage :	4,000 V
● Max. Operating Voltage :	300 V

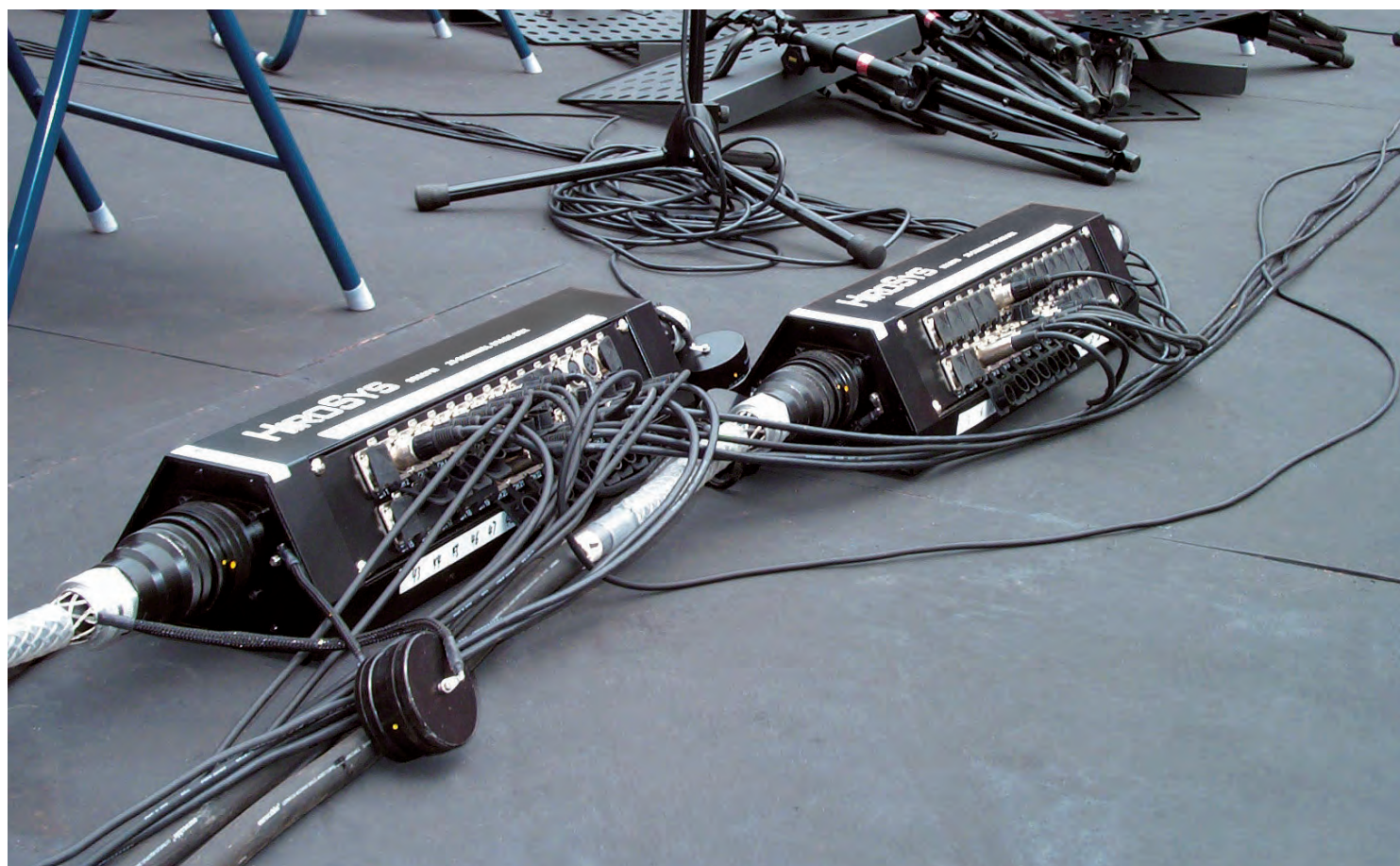
Stage Box



The rugged steel Stage Boxes are multi purpose designed for performance stage. Each channel is individual connecting for microphone or line signal input or output.

The compact design can be connecting up to 28 channel inputs or outputs simultaneously, and choose the extension cable fitted with the multi-pin connector to next stage-box or snake cable.

The Stage box connection can be routed to other stage zones by Junction boxes and sub-snake cable.





DSB08FM

8 Channel Stage box

The Stage box DSB08FM consists of male and female XLRs and multi-pin connectors. Either a snake cable with multi-pin connectors on both ends or fantail cable with one multi-pin connector at one end and individual connector on the other end can be selected.

Stage box is made with powder coated industrial galvanized sheet steel. Industrial standard XLRs and multi-pin connectors are used.

The multi-pin connectors include dust caps for splash-proof and dust protection. Optional dust caps can be ordered for the XLR connectors.

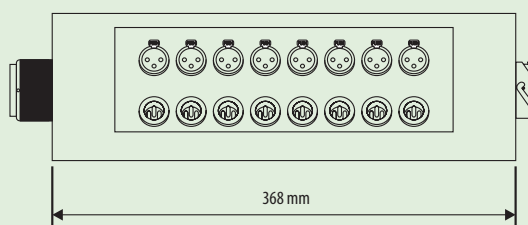
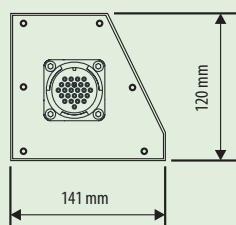
FEATURES

- 8 ways XLR Male and Female connectors
- 25 pin (8Ch) Multi-pin Male and Female connectors with Dust cap
- The two multi-pin connectors are wired in parallel between the XLRs
- Made with powder coated industrial galvanized sheet steel and die-cast housing

SPECIFICATIONS

	XLR Connector	Multi-pin Connector
● Insertion / Withdrawal Forces :	15.4kg Maximum Insertion 11.0kg Normal Insertion 15.4kg Maximum Withdrawal 11.0kg Normal Withdrawal	Spiral with "Snap in" Locking
● Lift :	10,000 Operation (Minimum)	35,000 Operation (Minimum)
● Thermal Range :	-55°C~+88°C	-55°C~+88°C
● Humidity :	Meets MIL-STD-202F, Method 107D	Meets MIL C5015
● Salt Spray :	Meets MIL-STD-202F, Method 101D	Meets MIL-STD-202F, Method 101D
● Shells :	Die-cast; Satin-nickel	Aluminium Die-cast; Black Velvet
● Socket Contacts :	Copper Alloy, Gold-plated	Copper Alloy, Gold-plated
● Pin Contacts :	Copper Alloy, Gold-plated	Copper Alloy, Gold-plated
● Latch Release :	Steel, Nickel-plated	Rubber Waterproof Latch
● Insert Lock-Cam :	Die-cast Zinc	Stainless Street Cam
● Waterproof :	N/A	10m Depth for 12 Hours

DIMENSIONS



Weight: 7.9 kg



DSB12FM

12 Channel Stage box

The Stage box DSB12FM consists of male and female XLRs and multi-pin connectors. Either a snake cable with multi-pin connectors on both ends or fantail cable with one multi-pin connector at one end and individual connector on the other end can be selected.

Stage box is made with powder coated industrial galvanized sheet steel. Industrial standard XLRs and multi-pin connectors are used.

The multi-pin connectors include dust caps for splash-proof and dust protection. Optional dust caps can be ordered for the XLR connectors.

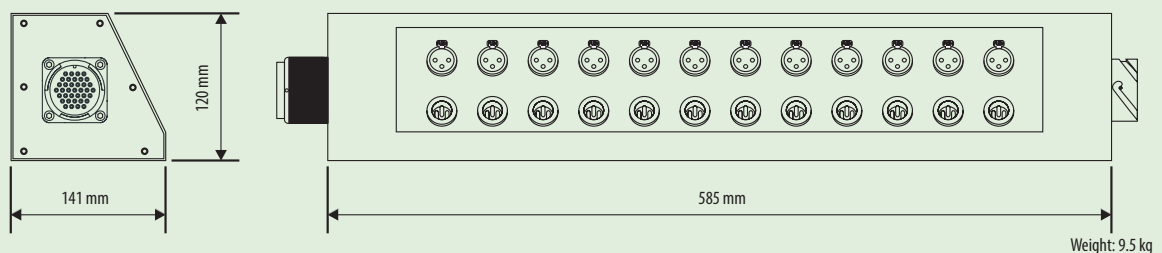
FEATURES

- 12 ways XLR Male and Female connectors
- 37 pin (12Ch) Multi-pin Male and Female connectors with Dust cap
- The two multi-pin connectors are wired in parallel between the XLRs
- Made with powder coated industrial galvanized sheet steel and die-cast housing

SPECIFICATIONS

	XLR Connector	Multi-pin Connector
● Insertion / Withdrawal Forces :	15.4kg Maximum Insertion 11.0kg Normal Insertion 15.4kg Maximum Withdrawal 11.0kg Normal Withdrawal	Spiral with "Snap in" Locking
● Lift :	10,000 Operation (Minimum)	35,000 Operation (Minimum)
● Thermal Range :	-55°C~+88°C	-55°C~+88°C
● Humidity :	Meets MIL-STD-202F, Method 107D	Meets MIL C5015
● Salt Spray :	Meets MIL-STD-202F, Method 101D	Meets MIL-STD-202F, Method 101D
● Shells :	Die-cast; Satin-nickel	Aluminium Die-cast; Black Velvet
● Socket Contacts :	Copper Alloy, Gold-plated	Copper Alloy, Gold-plated
● Pin Contacts :	Copper Alloy, Gold-plated	Copper Alloy, Gold-plated
● Latch Release :	Steel, Nickel-plated	Rubber Waterproof Latch
● Insert Lock-Cam :	Die-cast Zinc	Stainless Street Cam
● Waterproof :	N/A	10m Depth for 12 Hours

DIMENSIONS





DSB16FM

16 Channel Stage box

The Stage box DSB16FM consists of male and female XLRs and multi-pin connectors. Either a snake cable with multi-pin connectors on both ends or fantail cable with one multi-pin connector at one end and individual connector on the other end can be selected.

Stage box is made with powder coated industrial galvanized sheet steel. Industrial standard XLRs and multi-pin connectors are used.

The multi-pin connectors include dust caps for splash-proof and dust protection. Optional dust caps can be ordered for the XLR connectors.

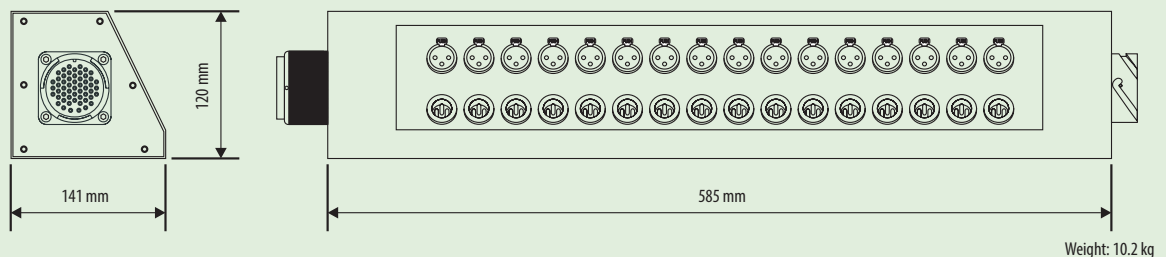
FEATURES

- 16 ways XLR Male and Female connectors
- 54 pin (16Ch) Multi-pin Male and Female connectors with Dust cap
- The two multi-pin connectors are wired in parallel between the XLRs
- Made with powder coated industrial galvanized sheet steel and die-cast housing

SPECIFICATIONS

	XLR Connector	Multi-pin Connector
● Insertion / Withdrawal Forces :	15.4kg Maximum Insertion 11.0kg Normal Insertion 15.4kg Maximum Withdrawal 11.0kg Normal Withdrawal	Spiral with "Snap in" Locking
● Lift :	10,000 Operation (Minimum)	35,000 Operation (Minimum)
● Thermal Range :	-55°C~+88°C	-55°C~+88°C
● Humidity :	Meets MIL-STD-202F, Method 107D	Meets MIL C5015
● Salt Spray :	Meets MIL-STD-202F, Method 101D	Meets MIL-STD-202F, Method 101D
● Shells :	Die-cast; Satin-nickel	Aluminium Die-cast; Black Velvet
● Socket Contacts :	Copper Alloy, Gold-plated	Copper Alloy, Gold-plated
● Pin Contacts :	Copper Alloy, Gold-plated	Copper Alloy, Gold-plated
● Latch Release :	Steel, Nickel-plated	Rubber Waterproof Latch
● Insert Lock-Cam :	Die-cast Zinc	Stainless Street Cam
● Waterproof :	N/A	10m Depth for 12 Hours

DIMENSIONS





DSB28FM

28 Channel Stage box

The Stage box DSB28FM consists of male and female XLRs and multi-pin connectors. Either a snake cable with multi-pin connectors on both ends or fantail cable with one multi-pin connector at one end and individual connector on the other end can be selected.

Stage box is made with powder coated industrial galvanized sheet steel. Industrial standard XLRs and multi-pin connectors are used.

The multi-pin connectors include dust caps for splash-proof and dust protection. Optional dust caps can be ordered for the XLR connectors.

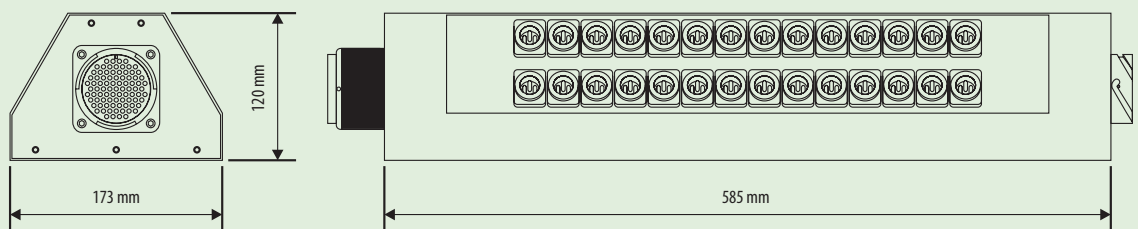
FEATURES

- 28 ways XLR Male and Female connectors in both sides
- 85 pin (28Ch) Multi-pin Male and Female connectors with Dust cap
- The two multi-pin connectors are wired in parallel between the XLRs
- Made with powder coated industrial galvanized sheet steel and die-cast housing

SPECIFICATIONS

	XLR Connector	Multi-pin Connector
● Insertion / Withdrawal Forces :	15.4kg Maximum Insertion 11.0kg Normal Insertion 15.4kg Maximum Withdrawal 11.0kg Normal Withdrawal	Spiral with "Snap in" Locking
● Lift :	10,000 Operation (Minimum)	35,000 Operation (Minimum)
● Thermal Range :	-55°C~+88°C	-55°C~+88°C
● Humidity :	Meets MIL-STD-202F, Method 107D	Meets MIL C5015
● Salt Spray :	Meets MIL-STD-202F, Method 101D	Meets MIL-STD-202F, Method 101D
● Shells :	Die-cast; Satin-nickel	Aluminium Die-cast; Black Velvet
● Socket Contacts :	Copper Alloy, Gold-plated	Copper Alloy, Gold-plated
● Pin Contacts :	Copper Alloy, Gold-plated	Copper Alloy, Gold-plated
● Latch Release :	Steel, Nickel-plated	Rubber Waterproof Latch
● Insert Lock-Cam :	Die-cast Zinc	Stainless Street Cam
● Waterproof :	N/A	10m Depth for 12 Hours

DIMENSIONS



Weight: 11.5 kg

HDDSBH SOB1-M

High-definition Digital OB1 Stage Box

The HDDSBH SOB1-M is a well built and reliable metal constructed stage box that is part of the OB1 Hybrid Cable System targeted for television inside/outside broadcasting applications and live performances.

This stage box consists of 8 pair of XLR male and female receptacles that are wired parallel for each channel, 3 BNC Jack connectors that accept HD video up to 3 Gb/s and 1 CEE 16A/250AC power socket on its front panel and a customized male multi-pin receptacle with dust cover on its side panel. This customized male multi-pin receptacle consists of 3 specially made coaxial inserts that can handle 3 Gb/s SDI HD video transmission, 4 male gold plated insert pins for AC power and 27 gold plated male insert pins for audio.

This stage box can be used for either input or output applications. HD quality video can be transmitted via maximum 100 m of OB1FM100-2G hybrid snake cable from stage box to OB vehicle with acceptable quality. The HDDSBH SOB1-M stage box combines with OB1 hybrid snake cable, OB1FM100-2G and OB1, and hybrid fantail cable, OB1F005M-2G, provide extended bi-directional connections from field crews to OB Vehicle.



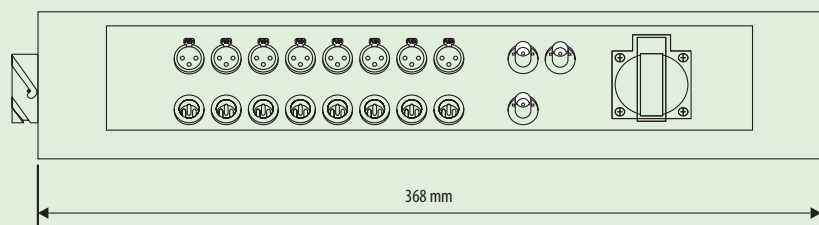
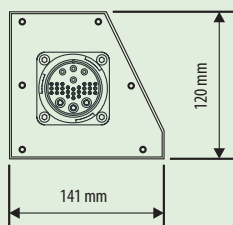
FEATURES

- 8 pairs × XLR Male and Female receptacles wired parallel
- 3 × BNC jacks (3G-SDI ready & D Series mounting panel)
- 1 × IEC/CEE 16A 2P+E 250V AC electrical socket
- 1 × Exclusive Male multi-pin receptacle with dust cover for OB1 hybrid cable
- Made with Industrial galvanized sheet steel

SPECIFICATIONS

	XLR Connector	Multi-pin Connector
● Insertion / Withdrawal Forces :	15.4kg Maximum Insertion 11.0kg Normal Insertion 15.4kg Maximum Withdrawal 11.0kg Normal Withdrawal	Spiral with "Snap in" Locking
● Lift :	10,000 Operation (Minimum)	35,000 Operation (Minimum)
● Thermal Range :	-55°C~+88°C	-55°C~+88°C
● Humidity :	Meets MIL-STD-202F, Method 107D	Meets MIL C5015
● Salt Spray :	Meets MIL-STD-202F, Method 101D	Meets MIL-STD-202F, Method 101D
● Shells :	Die-cast; Satin-nickel	Aluminium Die-cast; Black Velvet
● Socket Contacts :	Copper Alloy, Gold-plated	Copper Alloy, Gold-plated
● Pin Contacts :	Copper Alloy, Gold-plated	Copper Alloy, Gold-plated
● Latch Release :	Steel, Nickel-plated	Rubber Waterproof Latch
● Insert Lock-Cam :	Die-cast Zinc	Stainless Street Cam
● Waterproof :	N/A	10m Depth for 12 Hours

DIMENSIONS



Weight: 6.5 kg

Multipin Connectors

HiroSys connectors have been designed and are manufactured to ensure continual and reliable operation in the harsh environment of the professional multisignal applications.

These connectors are directly derived from a reliable and rugged military standard (Mil C5015 and VG 95234).

Features

- Fast coupling and uncoupling
- Audible, visual and tactile indication of locking
- Guaranteed locking of the coupling nut under vibration or shock conditions
- Bayonet ramp protrusion protected by stainless steel ring
- IP67 grade waterproof (when mated) for outdoor applications
- 2000 mating cycles minimum
- Insert manufactured in a high insulating chloroprene rubber: allowing easy contact insertion and removal, during assembly or repair
- Aluminium alloy shells with high resistance black finish
- Gold plated machined contacts for quality signal path and long term reliability



Cable mounting (Male)

HS25MV	25-pin	(up to 8 audio channels)
HS37MV	37-pin	(up to 12 audio channels)
HS54MV	54-pin	(up to 18 audio channels)
HS85MV	85-pin	(up to 28 audio channels)
HS150MV	150-pin	(up to 50 audio channels)



Cable mounting (Female)

HS25FV	25-pin	(up to 8 audio channels)
HS37FV	37-pin	(up to 12 audio channels)
HS54FV	54-pin	(up to 18 audio channels)
HS85FV	85-pin	(up to 28 audio channels)
HS150FV	150-pin	(up to 50 audio channels)



Panel mounting (Male)

HS25MP	25-pin	(up to 8 audio channels)
HS37MP	37-pin	(up to 12 audio channels)
HS54MP	54-pin	(up to 18 audio channels)
HS85MP	85-pin	(up to 28 audio channels)
HS150MP	150-pin	(up to 50 audio channels)



Panel mounting (Female)

HS25FP	25-pin	(up to 8 audio channels)
HS37FP	37-pin	(up to 12 audio channels)
HS54FP	54-pin	(up to 18 audio channels)
HS85MP	85-pin	(up to 28 audio channels)
HS150MP	150-pin	(up to 50 audio channels)

Coaxial Cable Connectors

BNCP-3G

BNC plug for HD3G-SDI cable

BNC connector is light and compact connector which use a bayonet coupling to provide easy connecting/disconnecting.

BNCP-3G is special for HD3G-SDI coaxial cable.



BNCPJ3G

BNC panel jack for HD3G-SDI cable

BNC connector built into standard panel-mount XLR housings with solder pin and tool-free screw installation.

BNCPJ3G is special for HD3G-SDI coaxial cable.



BNCP-7 / U

BNC plug for RG8 coaxial cable

BNC connector is light and compact connector which use a bayonet coupling to provide easy connecting / disconnecting.

The 50Ω type connector can be compatible RG8 coaxial cable for long distance transmission.



NP-8 / U

N-type plug for RG8 coaxial cable

N connector plug use a threaded coupling which provides them with a high degree of precision at high frequencies.

The 50Ω connector can be compatible RG8 coaxial cable for long distance transmission.



NJ-8 / U

N-type jack for RG8 coaxial cable

N connector jack use a threaded coupling which provides them with a high degree of precision at high frequencies.

The 50Ω connector can be compatible RG8 coaxial cable for long distance transmission.



HIROSYS

BROADCASTING PRODUCTS

Unit K, 9/F, Kaiser Est. (Ph2), 51 Man Yue Street, Hunghom, Kowloon, Hong Kong
Tel. +852 2330-5683 Fax. +852 2363-7930
E-mail : info@hirosys.com.hk

Form No : HSL-0132-13-HS