

QUICK STUDY GUIDE

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	Series	Pin Configuration(s)	Description
	SVK	13, 19, 25, 37, 54, 85, 100 & 150 pins	<i>Panel & inline; IP67 waterproof rated; MIL-C-5015 compliant; gold or silver contacts</i>
	SVS	72 & 101 pins	
	SHD	13, 19, 25, 37, 54, 85, 100 & 150 pins	<i>Roadline: Enhanced, robust, heavy-duty version of the SVK Series</i>
	SV	24 Audio & 6 Video (Coax) Pins	<i>Panel & Inline Audio/Video Hybrid Connectors; gold plated precision contacts</i>
	SMA	122 & 176 pins	<i>Hermaphroditic IP67 panel & inline audio, up to 56 channels; gold plated solder contacts</i>
	SPK	4, 8 & 19 pins	<i>Pro loudspeaker panel & inline; rubber locking ring; CA-COM mateable; silver & gold solder or crimp contacts</i>
	SPK8	8 pin	<i>Adapter; CA-COM 8 compatible; male one end, female other end</i>
	SB	2, 3, 4, 6, 7, 8 & 9 pins	<i>HMI Ballast & Lamp connector; 400W - 200KW; configurable; bayonet lock & coupling roller; silver plated contacts</i>
	SSX	19 & 16 pin UL & Industrial Versions	<i>Lighting connector; Socapex 419 compatible; panel & inline; fast wiring, indestructible; IP67; first make, last break gold or silver plated contacts</i>
	SPX	Single Pole High Amperage Power Connectors	<i>Power 400A - 750A; panel & inline; US, EU, UK & AU color codes; IP67; IP2X; high impact shell; silver plated contacts</i>
	SPZ		
	Cables	Application Specific Cables	<i>Expertly engineered pro audio & video features; power distribution; data</i>
	Drums	Cable Drums (featuring optional IO Side Panels)	
	Glands	Metric & PG types	<i>Glands, standard or spiral flex, metal, strain relief mesh grips, hanger grips</i>
	Tooling	Tooling & Accessories	<i>Contact us for more information</i>

v14.0



SV
AUDIO / VIDEO
CONNECTORS
and
DISTRIBUTION

syntax
no compromise

AUDIO/VIDEO CONNECTORS



This Audio/Video SYNTAX® connector has been designed for professional broadcasting use to face up the work harsh environment in outdoor applications. Two shell versions for panel connectors (male and female) plus two for inline cable connectors (male and female) allow complete cable hook up system and extension leads. The insert arrangements allows connections for 24 signal contacts and 6 video channels for RG59 coaxial cable. The cable gland on the back shell is suitable to host our combined audio/video cable 7YA08V6SX, designed specifically for this application.

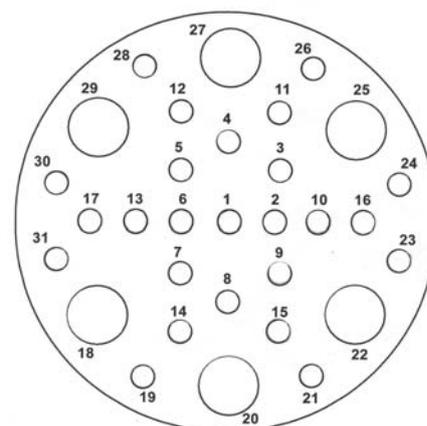


- Compliant military standard Mil C 5015 & VG 95234.
- Aluminium alloy shells with high resistance black finish.
- Audible, visual and tactile indication of locking. 2000 mating cycles minimum.
- Ergonomic rubber covered locking ring for ease of coupling.
- Bayonet ramp protrusion protected by stainless steel ring.
- Gold plated machined contacts for quality signal path and long term reliability
- Insert manufactured in a high insulating chloroprene rubber: allowing easy contact insertion and removal, during assembly or repair.
- Gland cable retention system, ensures water tight sealing and good strain relief at the cable entry.
- IP 67 grade waterproof (when mated) for outdoor applications.
- Protection dust caps waterproof IP67 grade when mated with the connectors.

CONTACTS CRIMP - GOLD

Size	Part N.	Gender	Part N.	Gender
20	SVKP20GFC	Femmina	SVKP20GMC	Maschio
RG59	SVKP59CXGFC	Femmina	SVKP59CXGMC	Maschio

INSERT LAYOUTS FRONT VIEW OF MALE INSERT



AUDIO/VIDEO DISTRIBUTION

COMBINED MULTIPIN CONNECTOR INPUT, 8 AUDIO LINES XLR + 6 BNC VIDEO LINES



FRAME

Steel stage box with trapezoidal section and sides with a high mechanics resistance, painted with epoxy black anti-scratch paint. The position of the output connectors on the inclined sides, guarantees an easy identification of the channels during the connection step, also helped by the labels of the channel-numbers.

Under the base there are 4 nylon feet to guarantee a stable position and enough separation from the ground. On the opposite side to the multipin connector, three holes have been provided for possible vertical hooking.

INPUT

Signal distribution through the exclusive Syntax multipin connector (male or female), dust cup provided, 24 gold pins for audio signals and 6 gold pins for video signals 75 Ohm.

DISTRIBUTION

audio connection through 8 XLR panel (female or male) 3pins connectors, arranged in two sections of 4 lines every side. Video connection through 6 BNC panel connectors with ground isolated from the frame, arranged in two sections of 3 lines every side.

INTERNAL CONNECTIONS

The audio interconnections between the multipin connector and XLR connectors is arranged through a shielded balanced cable, made of 2 signal conductors, 1 drain wire and aluminium foil screen.

The multipin connector cabling is realized by crimping, while the XLR connector cabling is realized by soldering.

The video interconnections between the multipin connector and BNC connectors is arranged through RG59 double shielded cable 75 Ohm, made of 1 signal conductor, a copper tinned braid shield and a aluminium foil screen.

The cabling of the video channels is realized through the crimping to guarantee a good mechanical resistance and a steady impedance avoiding signal losses