



## FEATURES:

- » Steel U-Channel Stagebox for Best Shielding and Connector Protection.
- » SN Series Multipair (2 x 24 AWG) Audio Cable
- » Individually Shielded Pairs with 100% Coverage Foil Shield and Drain Wire
- » Durable PVC Outer Jacket
- » Color-Coded Fanout for Easy Channel Identification
- » Cable is Highly Flexible
- » Rugged Neutrik D-Series Nylon XLR Panel-mount connectors
- » RHC Metal-shell Cable Connectors for High-use Durability
- » Limited 1-Year Warranty

## DESCRIPTION:

StageMASTER Multipair Audio Snakes are designed and built to provide the greatest value for our customers. StageMASTER Snakes are not outsourced. They are manufactured in our facilities, by our employees, according to the strictest quality standards. We take pride in providing you with a system that you can rely on at a price you will appreciate.

Each StageMASTER Audio Snake stagebox is constructed of a steel connector panel chassis and a heavy-duty steel U-channel enclosure designed for excellent shielding and protection of connectors. The stagebox is coated with a durable black powder-coat finish with white silkscreened channel identification numbers.

Mic inputs are rugged Neutrik D-Series nylon XLR panel connectors and returns are either D-Series nylon XLR-type connectors or durable metal 1/4" T/R/S Panel Jacks (as designated).

The stagebox is wired with SN Multipair Audio Cable to a 2, 3 or 4 foot Fanout (determined by total number of channels) with RHC Male XLR connectors and RHC Female XLR connectors or 1/4" T/R/S Phone Plugs (as designated).

The cable is secured to the stagebox with a rugged nylon strain relief.

The individual channels of the Fanout are protected with color-coded irradiated polyolefin shrink-tubing for long flex-life and easy channel identification.

StageMASTER Multipair Audio Snakes are available in 8 x 4, 12 x 4, 16 x 4 and 24 x 4 (Mics x Returns) Fan to Box configurations and standard 50, 100 and 150FT. lengths.

# STAGEBOX SPECIFICATIONS: STANDARD CONFIGURATIONS:

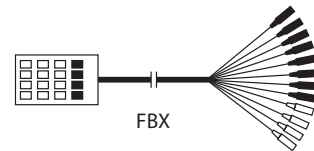
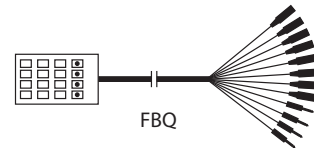
## CONNECTORS:

<b>MICROPHONE INPUT:</b>	NEUTRIK® D-Series Nylon XLR Female Panel-mount
<b>RETURNS OUT XLR MODEL:</b>	NEUTRIK® D-Series Nylon XLR Male Panel-mount
<b>RETURNS OUT T/R/S MODEL:</b>	NEUTRIK® Metal 1/4" T/R/S Panel-mount
<b>U-CHANNEL BASE:</b>	16-Gauge Steel
<b>CONNECTOR FRAME:</b>	18-Gauge Steel
<b>FEET:</b>	Non-skid Rubber (4)
<b>FINISH:</b>	Black Powder Coat
<b>CHANNEL MARKING:</b>	0.25" White (Semigloss Epoxy) Characters
<b>STRAIN RELIEF:</b>	Nylon

All stagebox-end terminations are hand soldered.

## FAN TO BOX

Available in 12, 16, 20 and 28 channel count and 50, 100 foot lengths.  
20 and 28 channel models are also available in 150 foot lengths.  
Available with either XLR or 1/4" T/R/S returns.



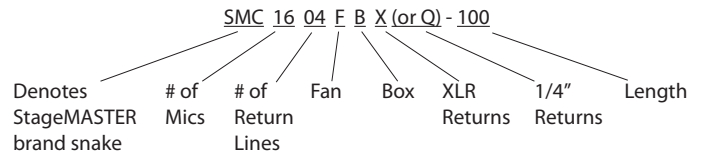
# FAN END SPECIFICATIONS:

## CONNECTORS:

<b>MICROPHONE OUTPUT:</b>	RHC XLR Male Cable-mount
<b>RETURNS INPUT XLR MODEL:</b>	RHC XLR Female Cable-mount
<b>RETURNS INPUT T/R/S MODEL:</b>	RHC 1/4" T/R/S Cable-mount
<b>CHANNEL INSULATION:</b>	.010" (.254mm) Polyethylene
<b>CHANNEL MARKING:</b>	Numbered Color-Coded Polyolefin Heat Shrink Tubing

All fan-end terminations are hand soldered.

## WHAT STAGEMASTER MODEL NUMBERS MEAN:



# MULTIPAIR AUDIO CABLE:

<b>WIRE:</b>	SN Series- 24GA
<b>CONDUCTOR GAUGE:</b>	24 AWG (.20mm <sup>2</sup> )
<b>STRANDING no. strands x AWG:</b>	7 x 32 (7 x .254mm <sup>2</sup> )
<b>INSULATION:</b>	.010" (.254mm)
<b>INSULATION MATERIAL:</b>	Polypropylene
<b>INSULATION DIAMETER:</b>	0.44" (11.2 mm)
<b>DRAIN WIRE GAUGE:</b>	24 AWG (.20mm <sup>2</sup> )
<b>DRAIN WIRE STRANDING:</b>	7 x 32 (7 x .254mm <sup>2</sup> )
<b>SHIELD MATERIAL:</b>	Aluminum/Polyester Tape Wrap
<b>SHIELD COVERAGE:</b>	100% coverage
<b>CAPACITANCE</b>	
- between paired conductors:	25 pF/ft. (82 pF/m)
- between one of paired conductors and remaining conductor tied to shield:	45 pF/ft. (148 pF/m)
<b>CALCULATED IMPEDANCE:</b>	60 ohms/kft (196.8 ohms/km)
<b>NOMINAL CONDUCTOR RESISTANCE @ 20°C:</b>	25.4 ohms/kft (83.3 ohms/km)

## OVERALL DIAMETER:

Model	Pairs	LAY LENGTH	O.D.	O.D.mm
SN12-24GA	12	7" (178 mm)	.410"	(10.4 mm)
SN16-24GA	16	7" (178 mm)	.475"	(12.1 mm)
SN20-24GA	20	7" (178 mm)	.535"	(13.6 mm)
SN28-24GA	28	9" (229 mm)	.650"	(16.5 mm)

# WARRANTY:

## STAGEMASTER SNAKES

All StageMASTER Snakes carry a full limited 1-year warranty to the original purchaser against defects in materials and workmanship.



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