

# MX412, MX418, MX424 STANDARD GOOSENECK MICROPHONES

Microflex Standard Gooseneck Microphones provide the added length and flexibility needed for speakers in environments like lecterns, pulpits, and courtrooms. Available in four models with a variety of lengths and mounting styles to choose from, Microflex Gooseneck microphones feature high sensitivity and balanced, transformerless output for maximum resistance to electromagnetic hum and RF interference, even over long cable runs.

## Specifications

<b>Type</b>	Condenser (electret bias)
<b>Frequency Response</b>	50 Hz – 17 kHz
<b>Polar Pattern</b>	MX412/C, MX418/C, MX424/C: Cardioid MX412/S, MX418/S, MX424/S: Supercardioid Omnidirectional cartridge available separately
<b>Output Impedance</b>	EIA rated at 150 Ω (170 Ω actual)
<b>Sensitivity</b> at 1 kHz, open circuit voltage; 1 Pascal = 94 dB SPL	Cardioid: -35 dBV/Pa (17.8 mV) Supercardioid: -33.5 dBV/Pa (21.1 mV) Omnidirectional: -27.5 (42.2 mV)
<b>Maximum SPL</b> 1 kHz at 1% THD, 1 kΩ load	Cardioid: 124.2 dB Supercardioid: 122.7 dB Omnidirectional: 116.7 dB
<b>Equivalent Output Noise</b> A-weighted	Cardioid: 28 dB SPL Supercardioid: 26.5 dB SPL Omnidirectional: 20.5 dB SPL
<b>Signal-to-Noise Ratio</b> referenced at 94 dB SPL at 1 kHz	Cardioid: 66 dB Supercardioid: 67.5 dB Omnidirectional: 73.5 dB
<b>Dynamic Range</b> 1 kΩ load at 1 kHz	96.2 dB 100 dB at 0 gain (internal modification)
<b>Common Mode Rejection</b>	45 dB minimum (10 Hz – 100 kHz)
<b>Preamplifier Output Clipping Level</b> 1% THD	-6 dBV (0.5 V)
<b>Polarity</b>	Positive sound pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output XLR connector.
<b>Mute Switch Attenuation</b>	-50 dB minimum
<b>Cable</b>	MX412D and MX418D: The 3 m attached custom cable contains a shielded audio pair and three unshielded conductors for logic control. Overall diameter = 4 mm
<b>Environmental Conditions</b>	Operating temperature range: -18° – 57° C Relative humidity: 0 – 95%
<b>Power Requirements</b>	11 – 52 Vdc phantom, 8.0 mA

\*for detailed dimensions please reference MX412/418/424 user guides



**MX412, MX418 and MX424**  
Standard Gooseneck Microphones

## Available Models

The polar pattern of the cartridge is indicated by the model number suffix: C = Cardioid, S = Supercardioid, N = No Cartridge

<b>MX412/C, MX412/S, MX412/N</b>	331 mm (13 inch) gooseneck, attached XLR preamp, shock mount, flange mount, snap-fit foam windscreen
<b>MX418/C, MX418/S, MX418/N</b>	473 mm (19 inch) gooseneck, attached XLR preamp, shock mount, flange mount, snap-fit foam windscreen
<b>MX412S/C, MX412S/S, MX412S/N</b>	334 mm (13 inch) gooseneck, attached XLR preamp, shock mount, flange mount, snap-fit foam windscreen, mute switch, LED Indicator
<b>MX418S/C, MX418S/S, MX418S/N</b>	473 mm (19 inch) gooseneck, attached XLR preamp, shock mount, flange mount, snap-fit foam windscreen, mute switch, LED indicator
<b>MX412SE/C, MX412SE/S, MX412SE/N</b>	305 mm (12 inch) gooseneck, in-line preamp, shock mount, flange mount, 3 m side-exit (or bottom-exit) cable, snap-fit foam windscreen
<b>MX418SE/C, MX418SE/S, MX418SE/N</b>	457 mm (18 inch) gooseneck, in-line preamp, shock mount, flange mount, 3 m side-exit (or bottom-exit) cable, snap-fit foam windscreen
<b>MX412D/C, MX412D/S, MX412D/N</b>	305 mm (12 inch) gooseneck, desktop base with 3 m cable, logic functions, programmable switch and LED indicator, snap-fit foam windscreen
<b>MX418D/C, MX418D/S, MX418D/N</b>	457 mm (18 inch) gooseneck, desktop base with 3 m cable, logic functions, programmable switch and LED indicator, snap-fit foam windscreen
<b>MX424/C, MX424/S, MX424/N</b>	623 mm (25 inch) gooseneck, attached XLR preamp, shock mount, flange mount, snap-fit foam windscreen

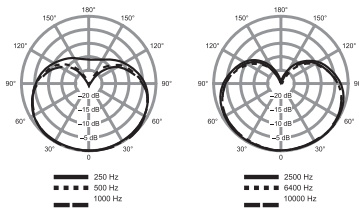
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## Furnished Accessories

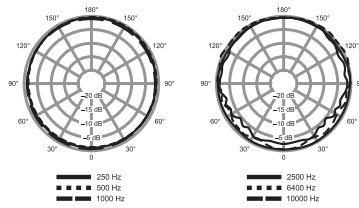
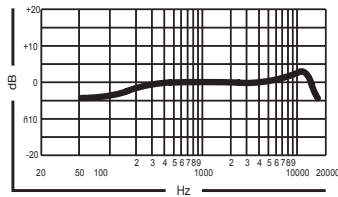
MX412, MX418, MX412S, MX418S, MX424 Models		MX412SE, MX418SE Models		MX412D, MX418D Models	
<b>65B8264</b>	Flange	<b>A12C</b>	Flange and nut	<b>RK412WS</b>	Snap-fit foam windscreen (1 furnished, 4 in replacement pack)
<b>65B8265</b>	Retainer	<b>80A476</b>	Clamp		
<b>80A439</b>	Isolation ring	<b>A400SM</b>	Shock mount		
<b>RK412WS</b>	Snap-fit foam windscreen (1 furnished, 4 in replacement pack)	<b>RK412WS</b>	Snap-fit foam windscreen (1 furnished, 4 in replacement pack)		
<b>A400SM</b>	Shock mount	<b>31B1762A</b>	Shock mount adapter		
<b>80A67</b>	Hex wrench #4				

## Optional Accessories and Replacement Parts

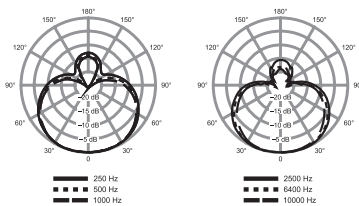
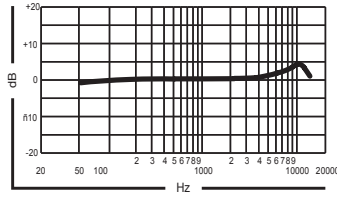
<b>A412B</b>	Desktop base	<b>C130</b>	Custom logic cable (specify length)	<b>R185B</b>	Black cardioid cartridge for all Microflex models
<b>A412MWS</b>	Metal locking windscreen	<b>RK100PK</b>	Replacement in-line preamplifier (SE models)	<b>R189B</b>	Black lobar mini-shotgun cartridge for Microflex models
<b>A99WS</b>	Foam ball windscreen	<b>R183B</b>	Black omnidirectional cartridge for all Microflex models		
<b>A57F</b>	Stand adapter	<b>R184B</b>	Black supercardioid cartridge for all Microflex models		



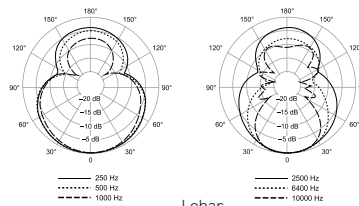
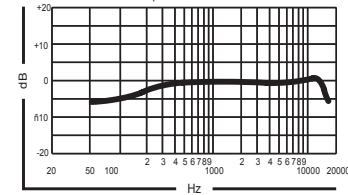
Cardioid



Omnidirectional



Supercardioid



Lobar

