

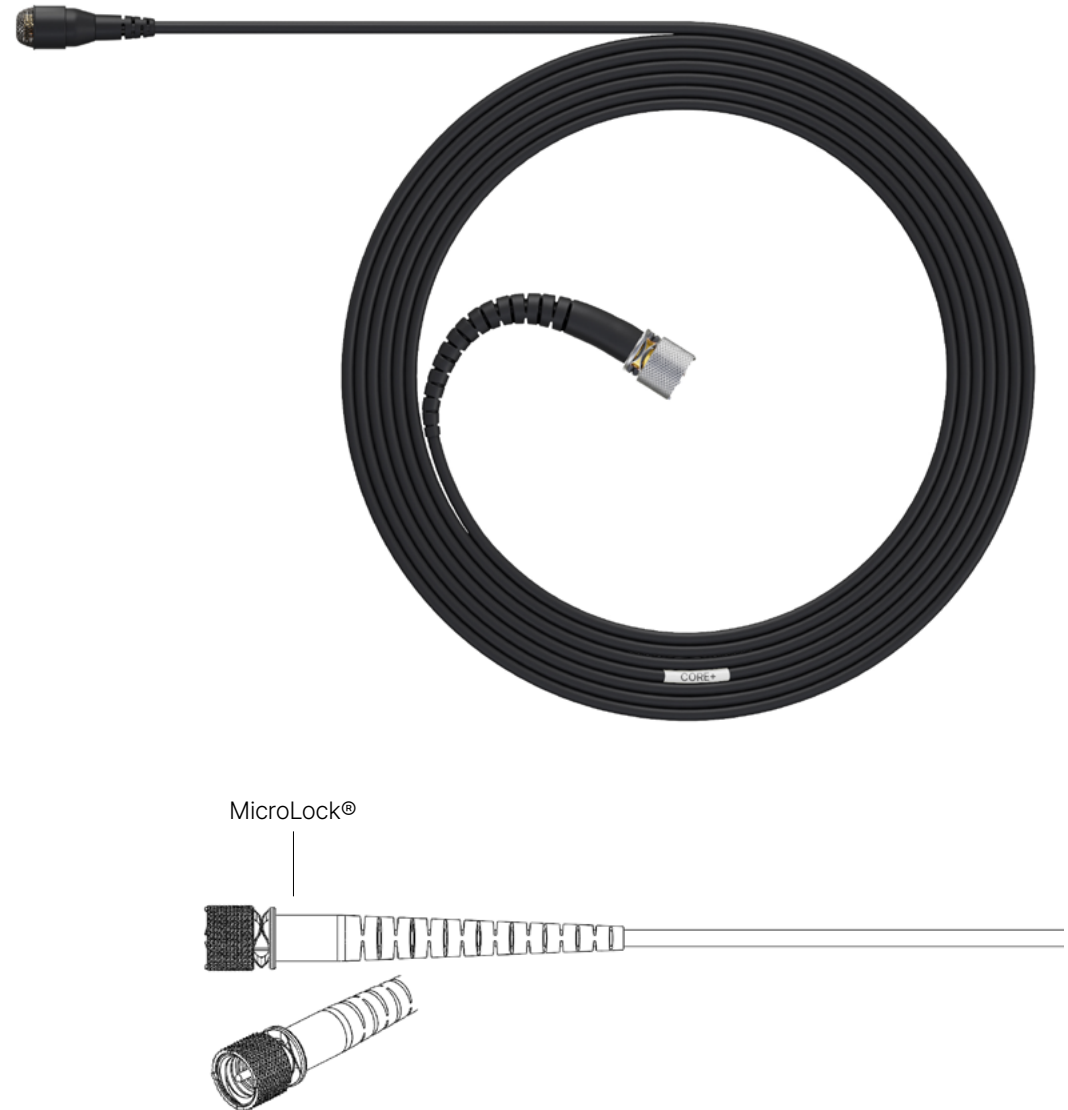


## Type: 4060-OP-C-B90

### ARCHITECT SPECIFICATIONS

The lavalier microphone shall be a pre-polarized condenser type with an omnidirectional polar pattern. The effective frequency response shall be 20 Hz to 20 kHz within  $\pm 2$  dB from 20 Hz to 20 kHz. With a soft boost grid attached a 3 dB soft boost at 8 – 20 kHz shall be present and with a high boost grid a 10 dB boost at 12 kHz shall be present. The sensitivity shall be 20 mV/Pa (-34 dB re. 1V/Pa) at 1 kHz within a tolerance of  $\pm 3$  dB. The equivalent noise level shall be 23 dB(A). The microphone shall not exceed 1% THD at 132 dB SPL peak. The microphone shall have a dynamic range of 109 dB. The Max. SPL (10 % THD) shall be 134 dB SPL peak. The rated output impedance shall be 30 – 40  $\Omega$  and the connector type shall be MicroLock®. The cable length shall be 1.8 m with a cable diameter of 1.6 mm and in black color. The microphone diameter shall be 5.4 mm (0.21 in) and the length 12.7 mm (0.5 in). The microphone shall have detachable caps and the microphone shall be protected against water and dust to an IP58 rating. The operating temperature shall range from -40°C to 45°C (-40°F to 113°F) and the microphone shall function in humidity levels up to 90%. The polarity of the signal on the center pin shall be positive going for a positively increasing sound pressure.

The microphone shall be the DPA 4060 Omnidirectional Microphone type 4060-OP-C-B90



## TECHNICAL SPECIFICATIONS

<b>4060-OP-C-B90</b>	
<b>Directional pattern</b>	Omnidirectional
<b>Principle of operation</b>	Pressure
<b>Cartridge type</b>	Pre-polarized condenser
<b>Frequency response</b>	20 Hz - 20 kHz
<b>Effective frequency range <math>\pm 2</math> dB</b>	Soft boost grid: 20 Hz - 20 kHz, 3 dB soft boost at 8 - 20 kHz. High boost grid: 20 Hz - 20 kHz, 10 dB boost at 12 kHz
<b>Sensitivity, nominal, <math>\pm 3</math> dB at 1 kHz</b>	20 mV/Pa; -34 dB re. 1 V/Pa
<b>Equivalent noise level, A-weighted</b>	Typ. 23 dB(A) re. 20 $\mu$ Pa (max. 26 dB(A))
<b>Distortion, THD &lt; 0.5%</b>	128 dB SPL RMS, 131 dB SPL peak
<b>Distortion, THD &lt; 1%</b>	129 dB SPL RMS, 132 dB SPL peak
<b>Dynamic range</b>	Typ. 109 dB
<b>Max. SPL, THD 10%</b>	134 dB SPL peak
<b>Rated output impedance</b>	30 - 40 $\Omega$
<b>Cable drive capability</b>	Up to 300 m (984 ft) with DAD6001-BC XLR Adapter
<b>Power supply (for full performance)</b>	For wireless systems: Min. 5 V - max. 10 V through DPA adapter With DAD6001-BC: P48 (Phantom Power). Will work from 12 V
<b>Current consumption</b>	Typ. 1.5 mA (microphone). 3.5 mA with DAD6001-BC XLR Adapter
<b>Connector</b>	MicroLock®
<b>Color</b>	Black
<b>Weight</b>	7.5 g (0.26 oz) incl. Cable and connector
<b>Microphone diameter</b>	5.4 mm (0.21 in)
<b>Microphone length</b>	12.7 mm (0.5 in)
<b>Cable length</b>	1.8 m (5.9 ft)
<b>Polarity</b>	Positively increasing sound pressure produces positive going voltage on MicroLock® pin
<b>Temperature range</b>	-40°C to 45°C (-40°F to 113°F)
<b>Relative humidity (RH)</b>	Up to 90%