



The model MB-1 is a low noise microdot to BNC cable 1 meter in length. The microdot connector at one end is designed to mate with M, H, P, and Q DECI transducers. The BNC connector at the opposite end will mate with instrumentation designed with BNC connectors as inputs.



All DECI transducers can be supplied with an integral mounted waveguide with magnetic hold-down. The waveguides are constructed from 1/4 inch diameter 304 stainless steel of various lengths depending on the surface temperature being monitored. The standard 10 inch long waveguide is adequate in most cases for temperatures up to 200 C. The magnet has a holding force of 80 pounds and is good for continuous operation up to 300 C. An internal spring maintains a contact force of 10 pounds on the waveguide. The waveguide is electrically isolated from the transducer to prevent ground loops from occurring when using long cables and is designed to provide a maximum amount of signal from the waveguide to the crystal in the transducer.

# MB-1

## LOW NOISE SIGNAL CABLE

### SPECIFICATIONS:

LENGTH	1 meter
IMPEDANCE	50 ohms
CAPACITANCE (Pf/Ft)	29
OPERATING TEMPERATURE	-100 to 200° C
JACKET MATERIAL	Teflon

## INTEGRAL WAVEGUIDE WITH MAG-80



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