

5460 Skylane Boulevard, Santa Rosa, CA 95403 Toll Free: 855-EOC-6300 www.eoc-inc.com | info@eoc-inc.com



CAB-LN1

Datasheet

Low Noise Cable		
Features	 Minimizes triboelectric/microphonic noise Noise level reduction up to a factor of 1,000 Assembled with very high quality connectors Highly shielding coaxial design 	
Applications	 Low signal current, voltage and charge measurements Scanning probe microscopy, photodetectors, ionization detectors, piezo- and pyroelectric sensors etc. For use with FEMTO low noise amplifiers. Strongly recommended for all current amplifiers with gain ≥ 10⁷ V/A. 	
Specifications		
Electrical	Impedance $(50 \pm 5) \le 9$ Capacitance96 pF/mInsulation resistance> $10^{14} \Omega$ DC resistance, inner conductor< 800 mS	·m Ω/m
Cable Design	B DielectricpolytetraftC Coatingsemi condD Shieldsilver platt	x Ø 0.1 mm, Ø 0.3 mm luoroethylene (PTFE), Ø 0.84 mm ductive, Ø 0.88 mm ed tensile flex braid 90 %, Ø 1.35 mm alkoxy (PFA), Ø 1.9 mm
General Data	Temperature range -55 °C to	C, < 75 VDC 0 +200 °C g, for length 1.0 m
Dimensions	length	Length tolerance: +15 mm, -5 mm
Ordering Code	BNC - BNC Length plug (male) - plug (male) 0.1 m CAB-LN1-BB-010 0.2 m CAB-LN1-BB-020 0.5 m CAB-LN1-BB-050 1.0 m CAB-LN1-BB-100	BNC - BNC Length plug (male) - plug (male) 1.5 m CAB-LN1-BB-150 2.0 m CAB-LN1-BB-200 3.0 m CAB-LN1-BB-300 5.0 m CAB-LN1-BB-500