

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	<ul> <li>Minimizes triboelectric/microphonic noise</li> <li>Noise level reduction up to a factor of 1,000</li> <li>Assembled with very high quality connectors</li> <li>Highly shielding coaxial design</li> </ul>	
Applications	<ul> <li>Low signal current, voltage and charge measurements</li> <li>Scanning probe microscopy, photodetectors, ionization detectors, piezo- and pyroelectric sensors etc.</li> <li>For use with FEMTO low noise amplifiers. Strongly recommended for all current amplifiers with gain ≥ 10<sup>7</sup> V/A.</li> </ul>	
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