Datasheet

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 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. 	
Applications		
Specifications		
Electrical	Impedance Capacitance Insulation resistance DC resistance, inner conductor DC resistance, outer conductor Attenuation	(50 ± 5) Ω 96 pF/m > 10 ¹⁴ Ω·m < 800 mΩ/m < 45 mΩ/m \leq 0.1 dB/m, DC to 4 MHz
Cable Design	A Inner conductor B Dielectric C Coating D Shield E Jacket	copper, 7 x Ø 0.1 mm, Ø 0.3 mm polytetrafluoroethylene (PTFE), Ø 0.84 mm semi conductive, Ø 0.88 mm silver plated tensile flex braid 90 %, Ø 1.35 mm perfluoroalkoxy (PFA), Ø 1.9 mm
General Data	Maximum operating voltage Temperature range Weight	< 50 VAC, < 75 VDC -55 °C to +200 °C (42 ± 4) g, for length 1.0 m
Dimensions	length	
		Length tolerance: +15 mm, -5 mm
Ordering Code	BNC – BNC Length plug (male) – plug (n 0.1 m CAB-LN1-BB-01 0.2 m CAB-LN1-BB-02 0.5 m CAB-LN1-BB-05 1.0 m CAB-LN1-BB-10	1.5 m CAB-LN1-BB-150 2.0 m CAB-LN1-BB-200 3.0 m CAB-LN1-BB-300
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