TECHNICAL DATA SHEET

IN122SPCP-B

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Document status	Product family	Nominal build	Revision
Issued for technical reference	Instrument cable	1 x 0.22 mm² / AWG24	03/2026 - Rev. A

CONSTRUCTION

Conductor	1 x 0.22 mm² OFC conductor, AWG24, tinned annealed copper, 28 x 0.10 mm stranding. Class 6 flexible construction per IEC 60228 / CEI 20-29.
Insulation	Foam polyethylene insulation, compliant with IEC 60092-360 and CEI EN 50363-2-1. Excellent dielectric properties for minimal signal attenuation and high-frequency fidelity. Core color: natural. Nominal insulated core diameter: approx. 1.80 mm.
Noise reducing layer	Semi-conductive PVC for noise and static reduction.
Shield	Oxygen Free Bare copper spiral shield with nominal **100% coverage** according to IEC 60096-1 for effective EMI screening in professional audio environments.
Outer jacket	Flexible PVC compound for 80 °C service temperature, compliant with VDE 0207 Part 5 and CEI EN 50363-4-1. Flame propagation test: IEC 60332-1 / CEI 20-11. Sheath color: black. Nominal overall diameter: approx. **5.9 mm.**

Professional instrument and unbalanced audio signal transmission where low handling noise, flexibility, shielding effectiveness and low capacitance are required.

SECTION VIEW

MECHANICAL CHARACTERISTICS

Service temperature range	-20 °C to +80 °C
Fixed installation range	-40 °C to +80 °C
Minimum bend radius (in service)	15 x overall diameter
Minimum bend radius (fixed)	10 x overall diameter
Approx. cable weight	47 kg/km
Outer sheath hardness	60 Shore A

ELECTRICAL CHARACTERISTICS (MATHEMATICAL EXPECTATION)

Conductor resistance	< 82 Ohm/km at 20 °C
Capacitance cond/shield	78 pF at 20 °C
Nominal voltage	300 V
Insulation resistance	> 16 Gohm x km at 20 °C

COMPLIANCE

RoHS	Directive 2011/65/EU, including subsequent amendments.
REACH	Regulation (EC) No. 1907/2006, including current SVHC list.
CE / EU market conformity	Designed for use in assemblies and systems placed on the EU market in accordance with applicable directives and product-level obligations, including examples such as 2014/35/EU and 2014/30/EU where relevant.