

Sturdy connecting cable

Type 1900A21A...

High-insulation coaxial cable with mechanical protection

The Type 1900A21A... connecting cable is a low-noise, oil-resistant high-insulation coaxial cable with flexible mechanical protection.

Owing to its properties, the cable is ideal for use in harsh machinery environments.

- Low-noise, oil-resistant and high-insulation
- KIAG 10-32 pos. or BNC pos. on amplifier side
- Protection class IP 67 with bolted plug connection
- Minimal bending radius while maintaining high degree of mechanical protection
- Customer-specific cable lengths possible

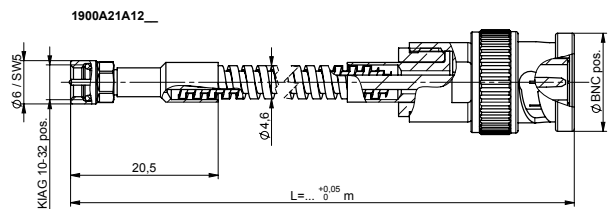
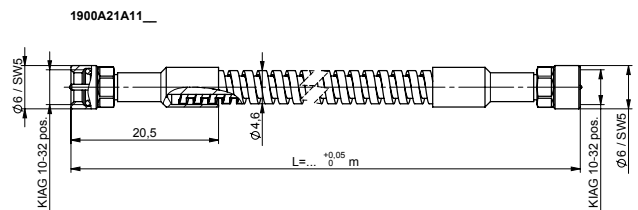


Description

Thanks to the rust-free flexible metallic protective sleeve, the IP67-rated sensor cable is protected against mechanical influences from outside. The KIAG 10-32 pos. connecting plug with a hexagonal swivel nut ensures IP67 protection.

The sturdy connecting cable is available in various designs. In addition to standard lengths, customer-specific special lengths can also be provided.

On the amplifier side, connection variant KIAG 10-32 pos. or BNC pos. can be selected.



Application

The sturdy cable 1900A21A... is ideally suited for use in harsh environments with severe ambient conditions. The optimized lateral pressure, impact and tensile strength properties of the sleeve make this the cable of choice for use in re-forming, parting or joining applications.

Technical data

Operating temperature	°C	-40 ... +200
Bending radius, static	mm	40
Tensile force on connector	N	max. 125
Protection class of sensor cable/ protective sleeve (to DIN 60529)		IP67 / IP50
Leak-proofness of KIAG 10-32 pos. connector, bolted, based on DIN 60529		IP67
Cable length, min / max	m	0.4 / 20

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Installation

The tightening torque of the swivel nut on the sensor connector must be 1 N·m. The cable must not exert any tensile / lateral force or torque on the sensor connector. An appropriate fixture must be provided to ensure this.

The minimum radius downstream of the connector is 40 mm (see figure).

In order to bend the cable with the minimum bending radius without causing damage, at least 1 m must be rolled out. The remaining cable can then be rolled back in if necessary.

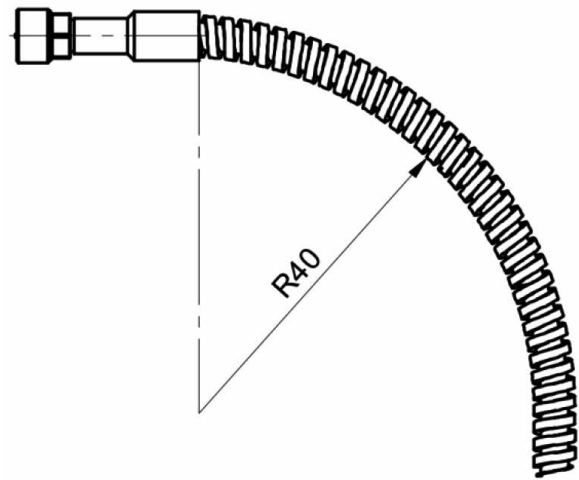


Fig. 1: Minimum bending radius

Ordering key

1900A21A

Connector, side A (sensor)

KIAG 10-32 pos., hexagonal swivel nut	1
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Connector, side B

KIAG 10-32 pos., hexagonal swivel nut	1
BNC pos.	2

Cable lengths

1 m	01
2 m	02
3 m	03
5 m	05
10 m	10
sp (>0,4 m, <20 m)	sp

Sample orders

Type	Material	Description
1900A21A11__		Sturdy cable with two-sided KIAG 10-32 pos. connector with hexagonal swivel nut, L as specified in designation coding
1900A21A11sp		Sturdy cable with two-sided KIAG 10-32 pos. connector with hexagonal swivel nut, L = specify when ordering (0,4 m <L <20 m)
1900A12A12__		Sturdy cable with KIAG 10-32 pos. connector with hexagonal swivel nut and BNC pos., L as specified in designation coding
1900A21A12sp		Sturdy cable with KIAG 10-32 pos. connector with hexagonal swivel nut and BNC pos., L = specify when ordering (0,4 m <L <20 m)

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