# AI-XL...

### Ferrules With Extra Large Insulating Collar



#### CLIPLINE

Data Sheet 103092\_00\_en

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### Description

Short-circuit-proof cables, e.g., type NSGFÖU, are usually crimped with ferrules without an insulating collar. The function of the insulating collar is then often performed by a piece of shrink tube.

This complicated process is simplified considerably by **AI-XL...** ferrules. These ferrules have an insulating collar with a diameter around twice the size as that of a ferrule according to DIN 46228-4.

Optimum connection is ensured when crimped with the appropriate tools from Phoenix Contact.



Make sure you always use the latest documentation. It can be downloaded at <u>www.download.phoenixcontact.com</u>.

A conversion table is available on the Internet at <u>www.download.phoenixcontact.com/general/7000\_en\_00.pdf</u>.



This data sheet is valid for all products listed on the following page:



## **Dimensions and Ordering Data**

<b>Cross Section</b>	I <sub>1</sub>	l <sub>2</sub>	d <sub>1</sub>	s <sub>1</sub>	d <sub>2</sub>	s <sub>2</sub>	Color	Туре	Order No.	Pcs./Pck.
1.5 mm <sup>2</sup>	17.5 mm	8.0 mm	1.8 mm	0.15 mm	6.9 mm	0.3 mm	Black	AI-XL 1,5-8 BK	3201916	100
1.5 mm <sup>2</sup>	19.5 mm	10.0 mm	1.8 mm	0.15 mm	6.9 mm	0.3 mm	Black	AI-XL 1,5-10 BK	3201974	100
2.5 mm <sup>2</sup>	17.5 mm	8.0 mm	2.3 mm	0.15 mm	7.8 mm	0.3 mm	Blue	AI-XL 2,5-8 BU	3201929	100
2.5 mm <sup>2</sup>	21.5 mm	12.0 mm	2.3 mm	0.15 mm	7.8 mm	0.3 mm	Blue	AI-XL 2,5-12 BU	3201987	100
4 mm <sup>2</sup>	19.5 mm	10.0 mm	2.9 mm	0.2 mm	7.8 mm	0.3 mm	Gray	AI-XL 4 -10 GY	3201932	100
6 mm <sup>2</sup>	23.0 mm	12.0 mm	3.6 mm	0.2 mm	8.3 mm	0.4 mm	Yellow	AI-XL 6 -12 YE	3201945	100
10 mm <sup>2</sup>	24.0 mm	12.0 mm	4.6 mm	0.2 mm	9.8 mm	0.4 mm	Red	AI-XL 10 -12 RD	3201958	100
16 mm <sup>2</sup>	25.5 mm	12.0 mm	6.0 mm	0.2 mm	12.0 mm	0.4 mm	Blue	AI-XL 16 -12 BU	3201961	100



I <sub>1</sub> = Total lengt
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I<sub>2</sub> = Sleeve length

d<sub>1</sub> = Inside diameter of sleeve

s<sub>1</sub> = Wall thickness of sleeve

d<sub>2</sub> = Inside diameter of insulating collar

s<sub>2</sub> = Wall thickness of insulating collar

Figure 1 Dimensions (tolerances according to DIN 46228-4)

## **Technical Data**

General Data						
Material						
Collar	Polypropylene PP (UL94 HB), heat resistant up to 105°C					
Sleeve	E-CU, tin-plated surface					

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