AI-XL...

Ferrules with extra large insulating collar



Data sheet
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1 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.

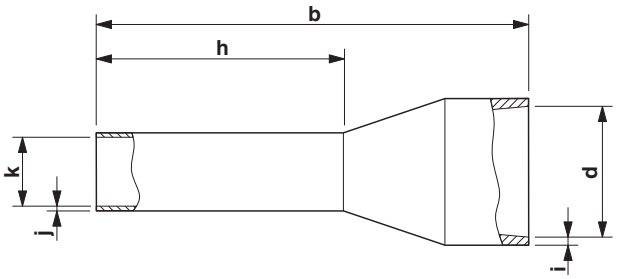
Make sure you always use the latest documentation.
It can be downloaded at phoenixcontact.net/products.

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

2 Dimensions and ordering data

Ferrules with extra large insulating collar

Cross section	b	h	k	j	d	i	Color	Type	Order No.	Pcs./ Pck.
1.5 mm²	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 mm²	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 mm²	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 mm²	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 mm²	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 mm²	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 mm²	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 mm²	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



b = Total length
h = Sleeve length
k = Inside diameter of sleeve
j = Wall thickness of sleeve
d = Inside diameter of insulating collar
i = Wall thickness of insulating collar

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

3 Technical data

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