



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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 www.download.phoenixcontact.com.

A conversion table is available on the Internet at
www.download.phoenixcontact.com/general/7000_en_00.pdf.

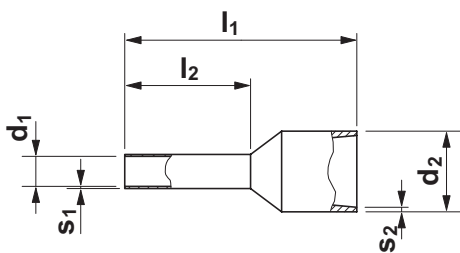


This data sheet is valid for all products listed on the following page:

Dimensions and Ordering Data

Ferrules With Extra Large Insulating Collar

Cross Section	l_1	l_2	d_1	s_1	d_2	s_2	Color	Type	Order No.	Pcs./Pck.
1.5 mm ²	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 ²	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 ²	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 ²	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 ²	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 ²	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 ²	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 ²	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



- l_1 = Total length
- l_2 = Sleeve length
- d_1 = Inside diameter of sleeve
- s_1 = Wall thickness of sleeve
- d_2 = Inside diameter of insulating collar
- s_2 = Wall thickness of insulating collar

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

Technical Data

General Data

Material

Collar
Sleeve

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

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