AI...GB

Ferrules with insulating collar for wires with increased insulation



Data sheet
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1 Description

AI...GB ferrules enable practical crimping of wires with increased insulation. Due to the increased diameter of the insulating collar this type of ferrule is ideal for use with AWG cables.

The metal insulating sleeve is made from a soft electrolytic copper with tin plating, which ensures optimum connection when crimped with the appropriate Phoenix Contact tools.

The insulating collar made from polypropylene, which is resistant to extreme heat, insulates and simplifies fitting onto the wire without having to splice the individual litz wires.

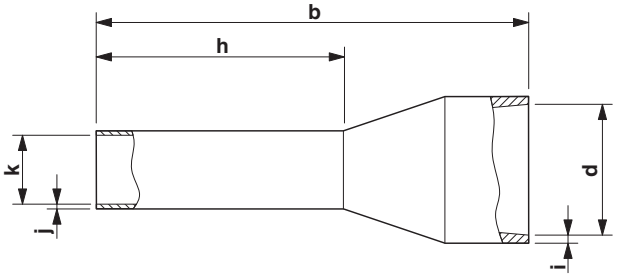
Make sure you always use the latest documentation.
It can be downloaded at phoenixcontact.net/products.

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

2 Dimensions and ordering data

Ferrules with insulating collar for wires with increased insulation

Cross Section	b	h	k	j	d	i	Color	Type	Order No.	Pcs./ Pck.
0.5 mm^2	13.5 mm	8.0 mm	1.1 mm	0.15 mm	3.0 mm	0.3 mm	White	AI 0,5- 8 WH-GB	1208966	100
0.5 mm^2	15.5 mm	10.0 mm	1.1 mm	0.15 mm	3.0 mm	0.3 mm	White	AI 0,5-10 WH-GB	3203150	100
0.75 mm^2	14.0 mm	8.0 mm	1.3 mm	0.15 mm	3.4 mm	0.3 mm	Gray	AI 0,75- 8 GY-GB	1208979	100
0.75 mm^2	16.0 mm	10.0 mm	1.3 mm	0.15 mm	3.4 mm	0.3 mm	Gray	AI 0,75-10 GY-GB	3203163	100
1 mm^2	14.0 mm	8.0 mm	1.5 mm	0.15 mm	3.4 mm	0.3 mm	Red	AI 1-8 RD-GB	1208982	100
1 mm^2	16.0 mm	10.0 mm	1.5 mm	0.15 mm	3.4 mm	0.3 mm	Red	AI 1-10 RD/1000 GB	1208869	1000
1.5 mm^2	14.0 mm	8.0 mm	1.8 mm	0.15 mm	3.7 mm	0.3 mm	Black	AI 1,5-8 BK-GB-1000	3202892	1000
1.5 mm^2	16.0 mm	10.0 mm	1.8 mm	0.15 mm	3.7 mm	0.3 mm	Black	AI 1,5-10 BK/1000 GB	1208872	1000



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