

# AI-TWIN...

## Ferrules With Insulating Collar for Two Wires



### CLIPLINE

Data Sheet  
103091\_00\_en

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### Description

**AI-TWIN...** ferrules enable practical crimping of two wires in a ferrule. Chain bridges can be easily implemented using these ferrules.

Different versions of the individual TWIN ferrules are available for individual applications. The color coding of the individual cross sections corresponds to DIN 46228-4.



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It can be downloaded at [www.download.phoenixcontact.com](http://www.download.phoenixcontact.com).  
A conversion table is available on the Internet at  
[www.download.phoenixcontact.com/general/7000\\_en\\_00.pdf](http://www.download.phoenixcontact.com/general/7000_en_00.pdf).

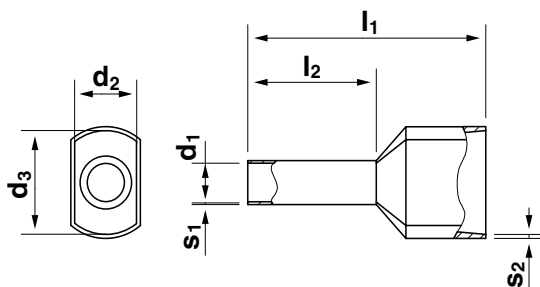


This data sheet is valid for all products listed on the following page:

## Dimensions and Ordering Data

### Ferrules With Insulating Collar for Two Wires

Cross Section	$l_1$	$l_2$	$d_1$	$s_1$	$d_2$	$d_3$	$s_2$	Color	Type	Order No.	Pcs./Pck.
2 x 0.5 mm <sup>2</sup>	15.0 mm	8.0 mm	1.5 mm	0.15 mm	2.5 mm	4.6 mm	0.25 mm	White	AI-TWIN 2X 0,5 - 8 WH	3200933	100
2 x 0.75 mm <sup>2</sup>	15.0 mm	8.0 mm	1.8 mm	0.15 mm	2.7 mm	5.2 mm	0.3 mm	Gray	AI-TWIN 2X 0,75- 8 GY	3200807	100
2 x 0.75 mm <sup>2</sup>	17.0 mm	10.0 mm	1.8 mm	0.15 mm	2.7 mm	5.2 mm	0.3 mm	Gray	AI-TWIN 2X 0,75-10 GY	3200975	100
2 x 1 mm <sup>2</sup>	15.0 mm	8.0 mm	2.05 mm	0.15 mm	3.4 mm	5.2 mm	0.35 mm	Red	AI-TWIN 2X 1 - 8 RD	3200810	100
2 x 1 mm <sup>2</sup>	15.0 mm	8.0 mm	2.05 mm	0.15 mm	3.4 mm	5.2 mm	0.35 mm	Red	AI-TWIN 2X 1 -10 RD	3200988	100
2 x 1.5 mm <sup>2</sup>	16.0 mm	8.0 mm	2.3 mm	0.15 mm	3.5 mm	6.4 mm	0.35 mm	Black	AI-TWIN 2X 1,5 - 8 BK	3200823	100
2 x 1.5 mm <sup>2</sup>	18.0 mm	10.0 mm	2.3 mm	0.15 mm	3.5 mm	6.4 mm	0.35 mm	Black	AI-TWIN 2X 1,5 -10 BK	3201534	100
2 x 1.5 mm <sup>2</sup>	20.0 mm	12.0 mm	2.3 mm	0.15 mm	3.5 mm	6.4 mm	0.35 mm	Black	AI-TWIN 2X 1,5 -12 BK	3200991	100
2 x 2.5 mm <sup>2</sup>	18.5 mm	10.0 mm	2.9 mm	0.2 mm	4.1 mm	7.5 mm	0.35 mm	Blue	AI-TWIN 2X 2,5 -10 BU	3200836	100
2 x 2.5 mm <sup>2</sup>	21.5 mm	13.0 mm	2.9 mm	0.2 mm	4.1 mm	7.5 mm	0.35 mm	Blue	AI-TWIN 2X 2,5 -13 BU	3200878	100
2 x 4 mm <sup>2</sup>	23.0 mm	12.0 mm	3.8 mm	0.2 mm	4.8 mm	8.5 mm	0.4 mm	Gray	AI-TWIN 2X 4 -12 GY	3201000	100
2 x 6 mm <sup>2</sup>	25.0 mm	14.0 mm	4.6 mm	0.2 mm	5.8 mm	9.6 mm	0.5 mm	Yellow	AI-TWIN 2X 6 -14 YE	3201013	100
2 x 10 mm <sup>2</sup>	26.0 mm	14.0 mm	6.5 mm	0.2 mm	7.0 mm	12.6 mm	0.6 mm	Red	AI-TWIN 2X10 -14 RD	3201026	100
2 x 16 mm <sup>2</sup>	31.0 mm	16.0 mm	8.5 mm	0.2 mm	8.8 mm	16.6 mm	0.6 mm	Blue	AI-TWIN 2X16 -16 BU	3202847	50



- $l_1$  = 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  
 $d_3$  = Inside diameter of insulating collar  
 $s_2$  = Wall thickness of insulating collar

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

### Assortment Boxes

Description	Type	Order No.	Pcs./Pck.
Assortment box, rectangular, blue Comprises: 50 pcs. each of AI-TWIN 2X 0,5-8 WH, AI-TWIN 2X 0,75-8 GY, AI-TWIN 2X 1-8 RD, AI-TWIN 2X 1,5-8 BK, 25 pcs. of AI-TWIN 2X 2,5-10 BU	AI-TWIN SORTI BOX BU	3202986	1
Assortment box, rectangular, gray Comprises: 20 pcs. of AI-TWIN 2X 4-12 GY, 10 pcs. each of AI-TWIN 2X 6-14 YE, AI-TWIN 2X10-14 RD	AI-TWIN SORTI BOX GY	3202999	1
Assortment box, round, clear Comprises: 50 pcs. each of AI-TWIN 2 x 0,75-8 GY, AI-TWIN 2 x 1-8 RD, AI-TWIN 2 x 1,5-8 BK, AI-TWIN 2 x 2,5-10 BU	AI-TWIN-SORTI-BOX I	3200946	1
Assortment box, round, clear Comprises: 30 pcs. each of AI-TWIN 2 x 1,5-8 BK, AI-TWIN 2 x 2,5-10 BU, AI-TWIN 2 x 4-12 GY, 10 pcs of AI-TWIN 2 x 6-14 YE	AI-TWIN-SORTI-BOX II	3201039	1

## Technical Data

### General Data

Material

Collar

Sleeve

Polypropylene PP (UL94 HB), heat resistant up to 105°C

E-CU, tin-plated surface