

# PRODUCT DATA SHEET

**470412**

**End-sleeves insulated – 4704/12 Cu sn – 1.5 x 12**

The end sleeves with plastic sleeves prevent to spliced out of fine-stranded copper conductors and facilitate insertion into terminals. The dimensions of the end sleeves correspond to DIN 46228-4.

The ferrule is UL certified for USA and Canada.

The metal sleeve consists of electrolytic copper (E-CU) with galvanic tinning. The plastic sleeve made of polypropylene (PP) facilitates the insertion of the conductors, is temperature-resistant up to +105 °C and is available in German, French or DIN 46228-4 color codes.



## Product Overview

<b>SKU</b>	<b>470412</b>
<b>Part description</b>	<b>End-sleeves insulated</b>
<b>Part designation</b>	<b>4704/12 Cu sn – 1.5 x 12</b>

### Material

Component	Copper
Surface	pure tin-plated
Insulation	Polypropylene (PP)

### Technical details

Net weight kg/1000	0.152
Conductor cross-section	1.5 mm <sup>2</sup> / AWG 16
Temperatur resistance	0° – 105° C
Strand length [mm]	15
Stranding Class	Class C



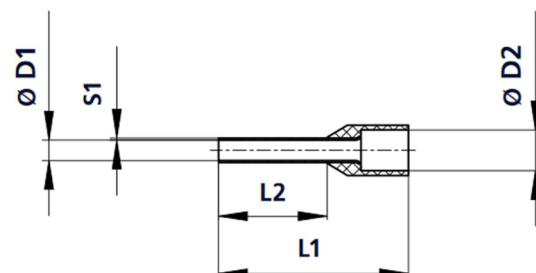
### Marking



<b>UL Certified</b>	<b>E504002</b>
Color code	black (DIN/F)
RoHS, REACH, DRC	compliant
According to	DIN 46228-4

### Dimension

øD1 [mm]	1.7
øD2 [mm]	3.5
L1 [mm]	18
L2 [mm]	12
S1 [mm]	0.15



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## Accessories / Tools

SKU	Part description	Part designation
4084z	Crimping tool	4084 Z without inserts
4084.6	Crimp insert set	4084 Nr.6 AE/0.14-10mm <sup>2</sup>

### What is UL?

UL (Underwriters Laboratories) is a global, independent safety science company with 120 years of experience in standards development, product testing and certification. The UL mark of conformity is one of the most well-known and accepted certification marks in the world.

In contrast to other standards in the electrical industry, which only define a minimum safety standard for a product, UL certification is a true indicator of quality. UL checks the product in detail and also familiarises itself with the production process. Strict, comprehensive controls - repeated at regular intervals - are carried out before certification. UL inspectors visit the relevant plant and check the manufacturing conditions and the quality of the goods produced. Thus the strict guidelines of the American and Canadian markets can also be met.

### What are the advantages for you?

The wide range of ferrules from Vogt AG Verbindungstechnik meet UL standard 486F and CSA C22.2 No. 219-14. The UL mark of conformity on Vogt wire-end ferrules provides reliable proof of quality and safety to regulatory authorities, consumers, manufacturers and retailers.

The quality and safety of a wire connection can only be guaranteed according to the UL standard if the cable class of the strand, the length of the stripping and the correct tool are used with the tested wire-end ferrule, per the specifications.

