

## INSULATED BOOTLACE FERRULES 6MM<sup>2</sup> TO 150MM<sup>2</sup>

V30AE000025

6mm<sup>2</sup> x 12mm Ferrule - Black

- Funnel feed-in made of polypropylene
- Heat resistant up to 120 °C
- For wires from 6...150 mm<sup>2</sup>
- Material: E-Cu/A-Cu, galvanically tin-plated



### PRODUCT DESCRIPTION

When the individual strands at the ends of finely stranded wires need to be protected and to provide a more robust connection, then our Z + F wire-end bootlace ferrules are an ideal solution.

The wire-end ferrules can be crimped easily and securely with Z + F crimping pliers or a variety of machines. The resulting connections function properly both electrically and mechanically.

European manufactured, this range ensures a reliable crimp without splitting.

## TECHNICAL DATA

### GENERAL DATA

|                                   |                   |
|-----------------------------------|-------------------|
| Colour                            | Black             |
| Cross section max                 | 6 mm <sup>2</sup> |
| Rated wire cross section to (AWG) | 10                |
| Standard                          | German Standard   |

### DIMENSIONS

|                     |        |
|---------------------|--------|
| Length              | 20 mm  |
| Length of tube      | 12 mm  |
| Stripping length    | 14 mm  |
| Thickness of collar | 0.3 mm |
| Thickness of tube   | 0.2 mm |
| Diameter of collar  | 6.3 mm |

|                  |        |
|------------------|--------|
| Diameter of tube | 3.5 mm |
|------------------|--------|

## MATERIALS

|                            |                            |
|----------------------------|----------------------------|
| Conductor tube             | Copper alloy               |
| Contact surface            | Galvanic tin-plated, shiny |
| Plastic collar             | Polypropylene-homopolymer  |
| Operating temperature from | -5 °C                      |
| Operating temperature to   | 105 °C                     |

## APPROVALS

|                  |     |
|------------------|-----|
| DIN 46228-4:1990 | Yes |
| DIN 46228-1:1992 | No  |

## ADDITIONAL DATA

|                   |          |
|-------------------|----------|
| Tariff code       | 85369010 |
| Country of origin | DE       |
| Weight            | 0.45 g   |
| Pack size         | 100      |

| Bezeichnung<br>Description | AWG            | Partcode/Serial-Nr.<br>Cable code/Order no. |     | Nennweite mm<br>Dimensions mm |             |                |                |                | Stück<br>Pieces | Bezeichnung<br>Description | AWG | Partcode/Serial-Nr.<br>Cable code/Order no. |             | Nennweite mm<br>Dimensions mm |     |     |                |                | Stück<br>Pieces |                |     |    |      |      |     |      |     |
|----------------------------|----------------|---|-----|-------------------------------|-------------|----------------|----------------|----------------|-----------------|----------------------------|-----|---|-------------|-------------------------------|-----|-----|----------------|----------------|-----------------|----------------|-----|----|------|------|-----|------|-----|
| mm²                        | L <sub>1</sub> | Typ<br>Type                                 | Z-# | DRN                           | KDS         | L <sub>1</sub> | L <sub>2</sub> | L <sub>3</sub> | L <sub>4</sub>  | VPE                        | mm² | L <sub>1</sub>                              | Typ<br>Type | Z-#                           | DRN | KDS | L <sub>1</sub> | L <sub>2</sub> | L <sub>3</sub>  | L <sub>4</sub> | VPE |    |      |      |     |      |     |
| 0,14                       | 8              | N   | 26  | V30AE000957                   |             | V30AE000959    | 10             | 8              | 0,8             | 0,15                       | 1,5 | 0,25  | 500         | 0,14                          | 8   | N   | 26             | V30AE000957    |                 | V30AE000959    | 10  | 8  | 0,8  | 0,15 | 1,5 | 0,25 | 500 |
| 0,14                       | 8              | L   | 26  | V30AE000960                   |             | V30AE000961    | 10             | 8              | 0,8             | 0,15                       | 1,5 | 0,25  | 500         | 0,14                          | 8   | L   | 26             | V30AE000960    |                 | V30AE000961    | 10  | 8  | 0,8  | 0,15 | 1,5 | 0,25 | 500 |
| 0,25                       | 8              | N   | 24  | V30AE000901                   |             | V30AE000902    | 10             | 8              | 0,85            | 0,16                       | 1,8 | 0,25  | 500         | 0,25                          | 8   | N   | 24             | V30AE000901    |                 | V30AE000902    | 10  | 8  | 0,85 | 0,16 | 1,8 | 0,25 | 500 |
|                            |                |   |     |                               |             | V30AE000944    |                |                |                 |                            |     |   |             |                               |     |     | V30AE000944    |                |                 |                |     |    |      |      |     |      |     |
| 0,25                       | 8              | L   | 24  | V30AE000903                   |             | V30AE000904    | 12             | 8              | 0,85            | 0,16                       | 1,8 | 0,25  | 500         | 0,25                          | 8   | L   | 24             | V30AE000903    |                 | V30AE000904    | 12  | 8  | 0,85 | 0,16 | 1,8 | 0,25 | 500 |
|                            |                |   |     |                               |             | V30AE000945    |                |                |                 |                            |     |   |             |                               |     |     | V30AE000945    |                |                 |                |     |    |      |      |     |      |     |
| 0,25                       | 12             | LS  | 24  | V30AE004185                   |             | V30AE004184    | 15             | 12             | 0,85            | 0,15                       | 1,8 | 0,25  | 500         | 0,25                          | 12  | LS  | 24             | V30AE004185    |                 | V30AE004184    | 15  | 12 | 0,85 | 0,15 | 1,8 | 0,25 | 500 |
| 0,34                       | 8              | N   | 22  | V30AE000903                   |             | V30AE000904    | 10             | 8              | 0,85            | 0,16                       | 2   | 0,25  | 500         | 0,34                          | 8   | N   | 22             | V30AE000903    |                 | V30AE000904    | 10  | 8  | 0,85 | 0,16 | 2   | 0,25 | 500 |
|                            |                |   |     |                               |             | V30AE000905    |                |                |                 |                            |     |   |             |                               |     |     | V30AE000905    |                |                 |                |     |    |      |      |     |      |     |
| 0,34                       | 8              | L   | 22  | V30AE000904                   |             | V30AE000905    | 12             | 8              | 0,85            | 0,16                       | 2   | 0,25  | 500         | 0,34                          | 8   | L   | 22             | V30AE000904    |                 | V30AE000905    | 12  | 8  | 0,85 | 0,16 | 2   | 0,25 | 500 |
|                            |                |   |     |                               |             | V30AE000906    |                |                |                 |                            |     |   |             |                               |     |     | V30AE000906    |                |                 |                |     |    |      |      |     |      |     |
| 0,34                       | 12             | LS  | 22  | V30AE004186                   |             | V30AE004187    | 15             | 12             | 0,85            | 0,15                       | 2   | 0,25  | 500         | 0,34                          | 12  | LS  | 22             | V30AE004186    |                 | V30AE004187    | 15  | 12 | 0,85 | 0,15 | 2   | 0,25 | 500 |
| 0,5                        | 8              | K   | 20  | V30AE000905                   | V30AE000907 | V30AE000908    | 12             | 8              | 1               | 0,15                       | 2,8 | 0,25  | 500         | 0,5                           | 8   | K   | 20             | V30AE000905    | V30AE000907     | V30AE000908    | 12  | 8  | 1    | 0,15 | 2,8 | 0,25 | 500 |
| 0,5                        | 8              | N   | 20  | V30AE000905                   | V30AE000908 | V30AE000909    | 14             | 8              | 1               | 0,15                       | 2,8 | 0,25  | 500         | 0,5                           | 8   | N   | 20             | V30AE000905    | V30AE000908     | V30AE000909    | 14  | 8  | 1    | 0,15 | 2,8 | 0,25 | 500 |
| 0,5                        | 10             | HL  | 20  | V30AE000907                   | V30AE000909 | V30AE000910    | 15             | 10             | 1               | 0,15                       | 2,8 | 0,25  | 500         | 0,5                           | 10  | HL  | 20             | V30AE000907    | V30AE000909     | V30AE000910    | 15  | 10 | 1    | 0,15 | 2,8 | 0,25 | 500 |
| 0,5                        | 12             | L   | 20  | V30AE004189                   |             | V30AE004189    | 15             | 12             | 1               | 0,15                       | 2,8 | 0,25  | 500         | 0,5                           | 12  | L   | 20             | V30AE004189    |                 | V30AE004189    | 15  | 12 | 1    | 0,15 | 2,8 | 0,25 | 500 |
| 0,75                       | 8              | K   | 18  | V30AE000908                   | V30AE000940 | V30AE000948    | 12             | 8              | 1,2             | 0,15                       | 2,8 | 0,25  | 500         | 0,75                          | 8   | K   | 18             | V30AE000908    | V30AE000940     | V30AE000948    | 12  | 8  | 1,2  | 0,15 | 2,8 | 0,25 | 500 |
| 0,75                       | 8              | N   | 18  | V30AE000908                   | V30AE000941 | V30AE000949    | 14             | 8              | 1,2             | 0,15                       | 2,8 | 0,25  | 500         | 0,75                          | 8   | N   | 18             | V30AE000908    | V30AE000941     | V30AE000949    | 14  | 8  | 1,2  | 0,15 | 2,8 | 0,25 | 500 |
| 0,75                       | 9              | HL  | 18  | V30AE000908                   | V30AE000909 | V30AE000910    | 15             | 9              | 1,2             | 0,15                       | 2,8 | 0,25  | 500         | 0,75                          | 9   | HL  | 18             | V30AE000908    | V30AE000909     | V30AE000910    | 15  | 9  | 1,2  | 0,15 | 2,8 | 0,25 | 500 |
| 0,75                       | 10             | HL  | 18  | V30AE000909                   | V30AE000942 | V30AE000947    | 15             | 10             | 1,2             | 0,15                       | 2,8 | 0,25  | 500         | 0,75                          | 10  | HL  | 18             | V30AE000909    | V30AE000942     | V30AE000947    | 15  | 10 | 1,2  | 0,15 | 2,8 | 0,25 | 500 |
| 0,75                       | 12             | L   | 18  | V30AE000909                   | V30AE000943 | V30AE000946    | 15             | 12             | 1,2             | 0,15                       | 2,8 | 0,25  | 500         | 0,75                          | 12  | L   | 18             | V30AE000909    | V30AE000943     | V30AE000946    | 15  | 12 | 1,2  | 0,15 | 2,8 | 0,25 | 500 |
| 1                          | 8              | K   | 16  | V30AE000909                   | V30AE000944 | V30AE000946    | 12             | 8              | 1,4             | 0,15                       | 3   | 0,25  | 500         | 1                             | 8   | K   | 16             | V30AE000909    | V30AE000944     | V30AE000946    | 12  | 8  | 1,4  | 0,15 | 3   | 0,25 | 500 |
| 1                          | 8              | N   | 16  | V30AE000909                   | V30AE000945 | V30AE000948    | 14             | 8              | 1,4             | 0,15                       | 3   | 0,25  | 500         | 1                             | 8   | N   | 16             | V30AE000909    | V30AE000945     | V30AE000948    | 14  | 8  | 1,4  | 0,15 | 3   | 0,25 | 500 |
| 1                          | 10             | HL  | 16  | V30AE000909                   | V30AE000946 | V30AE000948    | 15             | 10             | 1,4             | 0,15                       | 3   | 0,25  | 500         | 1                             | 10  | HL  | 16             | V30AE000909    | V30AE000946     | V30AE000948    | 15  | 10 | 1,4  | 0,15 | 3   | 0,25 | 500 |
| 1                          | 12             | L   | 16  | V30AE000909                   | V30AE000947 | V30AE000947    | 15             | 12             | 1,4             | 0,15                       | 3   | 0,25  | 500         | 1                             | 12  | L   | 16             | V30AE000909    | V30AE000947     | V30AE000947    | 15  | 12 | 1,4  | 0,15 | 3   | 0,25 | 500 |
| 1,5                        | 6              | K   | 16  | V30AE000909                   | V30AE000948 | V30AE000948    | 14             | 6              | 1,7             | 0,15                       | 3,5 | 0,25  | 500         | 1,5                           | 6   | K   | 16             | V30AE000909    | V30AE000948     | V30AE000948    | 14  | 6  | 1,7  | 0,15 | 3,5 | 0,25 | 500 |
| 1,5                        | 8              | N   | 16  | V30AE000909                   | V30AE000949 | V30AE000949    | 14             | 8              | 1,7             | 0,15                       | 3,5 | 0,25  | 500         | 1,5                           | 8   | N   | 16             | V30AE000909    | V30AE000949     | V30AE000949    | 14  | 8  | 1,7  | 0,15 | 3,5 | 0,25 | 500 |
| 1,5                        | 10             | HL  | 16  | V30AE000909                   | V30AE000950 | V30AE000950    | 15             | 10             | 1,7             | 0,15                       | 3,5 | 0,25  | 500         | 1,5                           | 10  | HL  | 16             | V30AE000909    | V30AE000950     | V30AE000950    | 15  | 10 | 1,7  | 0,15 | 3,5 | 0,25 | 500 |