

Workplace Solutions

Wire-end ferrules

The vast product range for almost all fields of application

WORKPLACE
SOLUTIONS



Weidmüller 

Contents

General aspects

- 3 Workplace Solutions
- 4 Wire-end ferrules – a permanent connection
- 6 Cable description
- 7 Area of application for wire-end ferrules with plastic collar
- 8 An approved system for your applications
- 10 Crimping process and preparatory measures

Standards and approvals

- 12 UL certification according to UL 486 F and DIN 46228-1/ 4
- 13 Differences and similarities
- 14 CE conformity

Quality and laboratory tests

- 15 Tests for wire-end ferrules
- 16 Normative requirements
- 18 Weidmüller requirements

Description of technical details

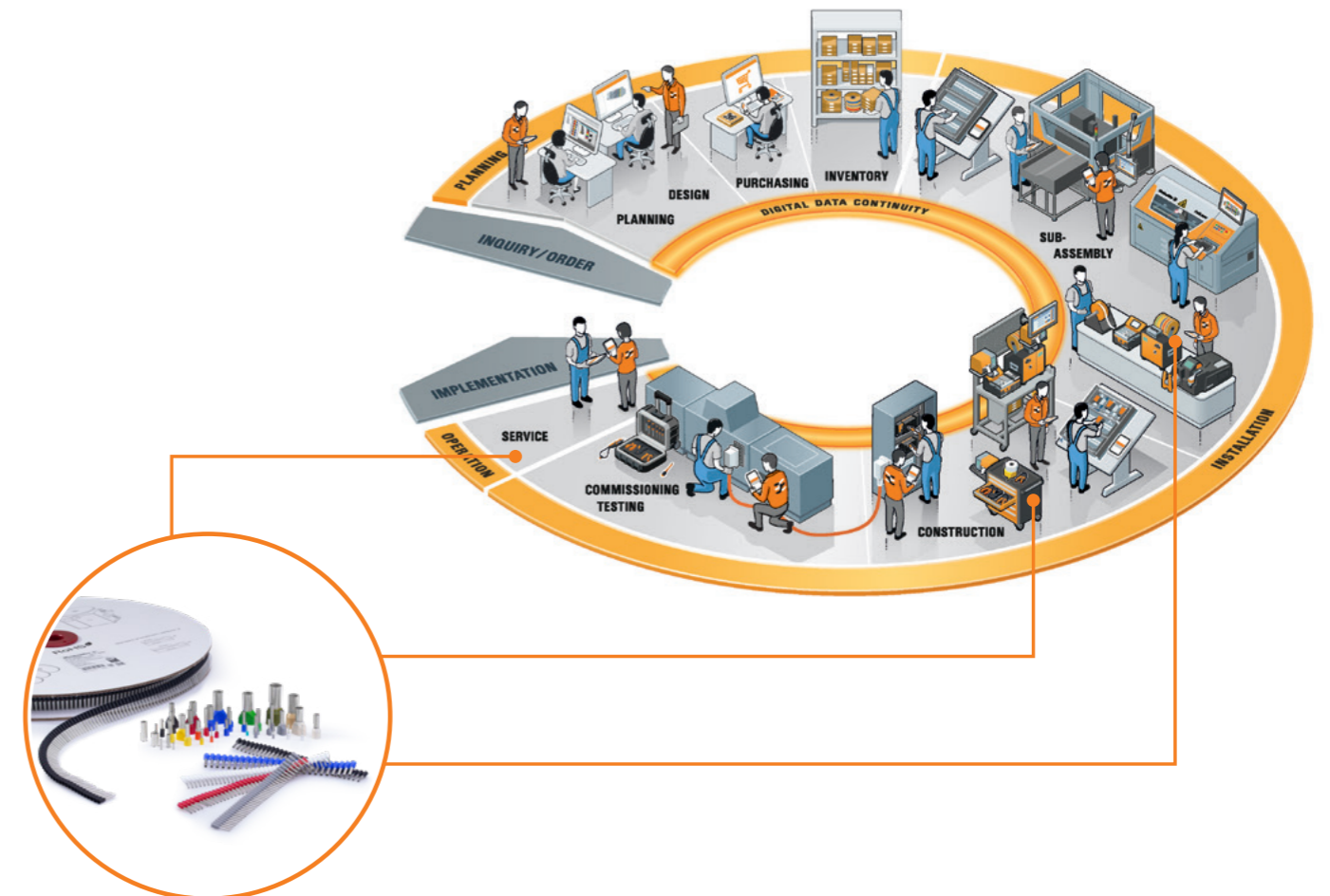
- 20 Weidmüller wire-end ferrules with plastic collar
- 21 Weidmüller wire-end ferrules without plastic collar
- 22 Labels
- 23 Portfolio of wire-end ferrules
- 34 The right tool for every connection
- 35 Stripping and crimping machines for wire-end ferrules
- 36 Weidmüller Service
- 37 On the right track with Weidmüller
- 38 Perfect match

Workplace Solutions

Optimise work processes in panel building with complete solutions for the workshop

Weidmüller is your high-performance partner at every stage of the process. With tailored workshop solutions and proven expertise in panel building, our comprehensive portfolio streamlines workflows and ensures superior quality.

At the product level, Weidmüller offers wire-end ferrules that meet the highest quality standards. The development of new products is consistently guided by a clear objective: simplifying tasks, optimising workflows, and safeguarding long-term business productivity. With a broad selection of over 450 different variants, the right solution is available for virtually every connection type.



Discover your optimisation potential now:
www.weidmueller.com/workplace

Wire-end ferrules – a permanent connection

Crimp connections for secure electrical contact

Crimping securely joins components by pressure and has largely replaced soldering. To ensure reliable connections, defects must be avoided – requiring skilled workmanship, the right tools, and matching ferrules. Adherence to international standards (e.g., DIN 46228, DIN EN 60999-1, DIN EN 60352-2) guarantees quality, tensile strength, and fault prevention.

Advantages of crimp connections according to DIN EN 60352-2:

- Efficient connection creation – for any production scale, always precise and reliable
- Versatile processing – thanks to semi-automatic crimping machines or manual crimping tools
- Elimination of soldering faults – guarantees no cold solder points
- Protection of spring contacts – no impairment of spring characteristics due to soldering heat
- Flexible conductors – up to the crimp connection
- Undamaged conductor insulation – no burnt, discoloured or overheated insulation
- Reliable quality – stable connections with reproducible electrical and mechanical properties
- Ideal manufacturing monitoring – easy control of the manufacturing process

Nowadays connection points often allow contact both with and without wire-end ferrules. Although the application of wire-end ferrules requires additional material and time, the wire-end ferrule still offers advantages over direct contact:



Easy cross-section identification



Safe rewiring



Process reliability in wiring

Why is the usage of Weidmueller wire-end ferrules highly recommended?



Wide product range with > 450 variants



“Made in Germany” quality for various conductor cross-sections



Consistently optimal and fast crimp connections



Perfect matched and approved connections with with our automatic machines and hand tools



Time- and cost-efficient processing with automatic machines



Compliance with international norms and standards



Cable description

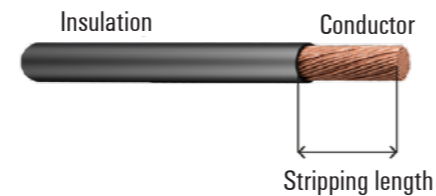
Conductor classes according to DIN EN 60228

The main component of a cable is the conductor, which is an electrically conductive transmission medium usually made of copper. The conductor can be divided into different conductor classes. The conductor classes are categorized in IEC/DIN EN 60228 (VDE 0295).

Class 1* solid conductor	Class 2 stranded conductor	Class 5 flexible conductor	Class 6 very flexible conductor

*Solid conductors (Class 1) are not permitted for processing with wire-end ferrules.

The insulation of a conductor is made of non-conductive plastic and protects against fault currents, contact, environmental influences and damage. The type of insulation varies depending on the area of application.



In Europe, conductor cross-sections are specified in square millimetres (mm²), whereas in the USA, the American Wire Gauge (AWG) system is used. A lower AWG number corresponds to a larger cross-section. However, AWG sizes do not exactly match the rated cross-sections.

The North American market, in particular, often uses so-called "wire classes" instead of the standard European classification. The relevant characteristics can be found in the following table:

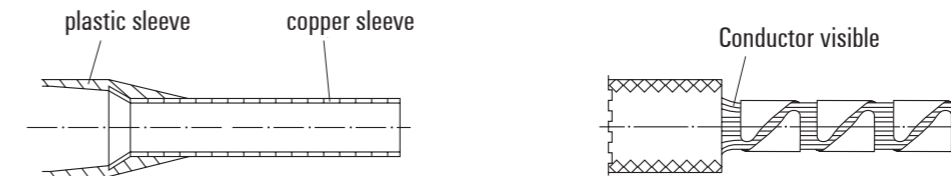
Rated cross-section in mm ²	AWG	Equivalent metric cross-section in mm ²
0,2	24	0,205
0,34	22	0,324
0,5	20	0,519
0,75	18	0,82
1	17	1,038
1,5	16	1,3
2,5	14	2,1
4	12	3,3
6	10	5,3
10	8	8,4
16	6	13,3
25	4	21,2
35	2	33,6
50	0	53,5

Conductor class	Number of strands	Flexibility	Typical applications	Relative cost
Class B	Moderate	Low	Building wire, fixed installation in conduits	Low
Class C	High	Moderate	Tool wiring, light bending loads	Moderate
Class D	Higher	High	Robotics, cables with frequent bending	High
Class K	Very High	Very High	Welding cables, portable cords	Higher
Class G, H, I	Extremely High	Maximum	Specialised applications, extreme flexibility	Highest

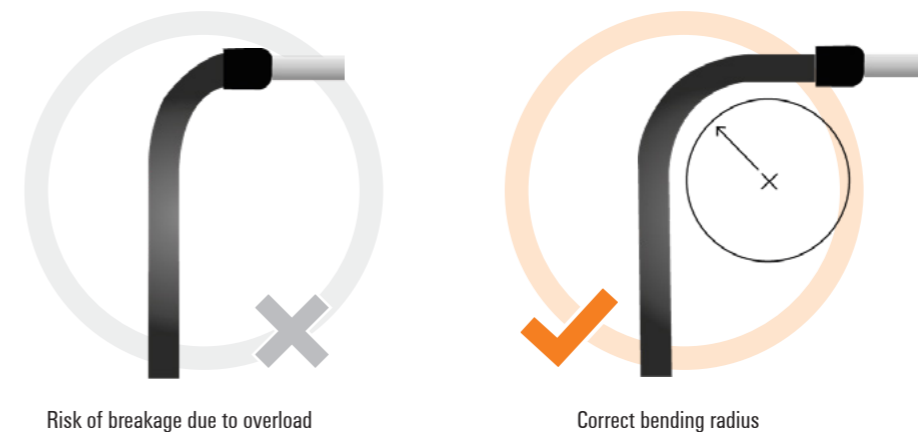
Area of application for wire-end ferrules with plastic collar

Technical information

Wire-end ferrules are designed to protect the individual strands of a conductor. This prevents unwanted damage, the kinking of individual strands or the fraying of the entire conductor. The inside of the plastic collar on the wire-end ferrule is cone-shaped to make it easier to insert the strands into the ferrule. It also prevents the angular conductor insulation edges from getting caught in the insertion funnel of the contact point.



The requirements for wire-end ferrules with and without plastic collar are defined in DIN 46228, which means that this standard specifies the essential framework conditions and parameters.

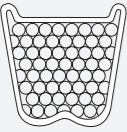

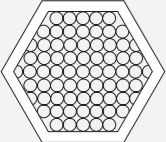

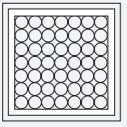

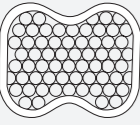



What is important is that the plastic collar of the wire-end ferrule does not offer any anti-kink protection, as is usually the case with insulated cable lugs, for example. The plastic collar also does not provide any mechanical insulation support and must therefore not be subjected to excessive bending or tension. In addition to this, during installation, all relevant standards must always be complied with. According to DIN VDE 0298-300, cables must only be installed in certain bending radius. For example, for PVC-insulated cables with conductor diameters of ≤ 20 mm, this equates to six times the conductor diameter. In practice, this means that no significant tension may be applied to the plastic collar of the wire-end ferrule.

An approved system system for your applications

Typical press shapes for wire-end ferrules

There is a wide range of crimping shapes available on the market for crimping wire-end ferrules. It is not possible to specify in general which is the most suitable press shape. Each crimping shape offers individual advantages as well as disadvantages. These must be weighed up in relation to concrete application environment.

Crimping shape	pros and cons	
 <p>Trapezoidal crimp shape</p>	<ul style="list-style-type: none"> + Low deformation under load in the contact point. + Smooth continuous surface. + Ideal for some contact points (e.g. screw contact points) - No neutral insertion direction. 	
 <p>Hexagonal crimp shape</p>	<ul style="list-style-type: none"> + Neutral position due to virtually circular cross-section. + Ideal for circular connection compartments. - No smooth surface. 	
 <p>Square crimp shape</p>	<ul style="list-style-type: none"> + Maximum contact area. + Ideal for square connection compartments. - No smooth surface. 	
 <p>WM crimp shape</p>	<ul style="list-style-type: none"> + Minimal deformation under load in the contact point. + Smooth continuous surface. + Press shape corresponds with EN 60947-1. - Position is not neutral. 	

Weidmüller 

Workplace Solutions
Crimping
A permanent connection

Whitepaper

10 contacts. Some of these contacts are crimped to the conductor. A selection of crimp contacts is shown below.

Figure 3: Selection of possible crimp contacts

Figure 4: Selection of possible crimp contacts

Figure 5: Open version of a wire-end ferrule

Figure 6: Closed version of a wire-end ferrule

Figure 7: Wire-end ferrule with an additional plastic collar

Figure 8: Wire-end ferrule with an additional plastic collar

Figure 9: Wire-end ferrule with an additional plastic collar

Figure 10: Wire-end ferrule with an additional plastic collar

Figure 11: Wire-end ferrule with an additional plastic collar

Figure 12: Wire-end ferrule with an additional plastic collar

Figure 13: Wire-end ferrule with an additional plastic collar

Figure 14: Wire-end ferrule with an additional plastic collar

Figure 15: Wire-end ferrule with an additional plastic collar

Figure 16: Wire-end ferrule with an additional plastic collar

Figure 17: Wire-end ferrule with an additional plastic collar

Figure 18: Wire-end ferrule with an additional plastic collar

Figure 19: Wire-end ferrule with an additional plastic collar

Figure 20: Wire-end ferrule with an additional plastic collar

Figure 21: Wire-end ferrule with an additional plastic collar

Figure 22: Wire-end ferrule with an additional plastic collar

Figure 23: Wire-end ferrule with an additional plastic collar

Figure 24: Wire-end ferrule with an additional plastic collar

Figure 25: Wire-end ferrule with an additional plastic collar

Figure 26: Wire-end ferrule with an additional plastic collar

Figure 27: Wire-end ferrule with an additional plastic collar

Figure 28: Wire-end ferrule with an additional plastic collar

Figure 29: Wire-end ferrule with an additional plastic collar

Figure 30: Wire-end ferrule with an additional plastic collar

Figure 31: Wire-end ferrule with an additional plastic collar

Figure 32: Wire-end ferrule with an additional plastic collar

Figure 33: Wire-end ferrule with an additional plastic collar

Figure 34: Wire-end ferrule with an additional plastic collar

Figure 35: Wire-end ferrule with an additional plastic collar

Figure 36: Wire-end ferrule with an additional plastic collar

Figure 37: Wire-end ferrule with an additional plastic collar

Figure 38: Wire-end ferrule with an additional plastic collar

Figure 39: Wire-end ferrule with an additional plastic collar

Figure 40: Wire-end ferrule with an additional plastic collar

Figure 41: Wire-end ferrule with an additional plastic collar

Figure 42: Wire-end ferrule with an additional plastic collar

Figure 43: Wire-end ferrule with an additional plastic collar

Figure 44: Wire-end ferrule with an additional plastic collar

Figure 45: Wire-end ferrule with an additional plastic collar

Figure 46: Wire-end ferrule with an additional plastic collar

Figure 47: Wire-end ferrule with an additional plastic collar

Figure 48: Wire-end ferrule with an additional plastic collar

Figure 49: Wire-end ferrule with an additional plastic collar

Figure 50: Wire-end ferrule with an additional plastic collar

Figure 51: Wire-end ferrule with an additional plastic collar

Figure 52: Wire-end ferrule with an additional plastic collar

Figure 53: Wire-end ferrule with an additional plastic collar

Figure 54: Wire-end ferrule with an additional plastic collar

Figure 55: Wire-end ferrule with an additional plastic collar

Figure 56: Wire-end ferrule with an additional plastic collar

Figure 57: Wire-end ferrule with an additional plastic collar

Figure 58: Wire-end ferrule with an additional plastic collar

Figure 59: Wire-end ferrule with an additional plastic collar

Figure 60: Wire-end ferrule with an additional plastic collar

Figure 61: Wire-end ferrule with an additional plastic collar

Figure 62: Wire-end ferrule with an additional plastic collar

Figure 63: Wire-end ferrule with an additional plastic collar

Figure 64: Wire-end ferrule with an additional plastic collar

Figure 65: Wire-end ferrule with an additional plastic collar

Figure 66: Wire-end ferrule with an additional plastic collar

Figure 67: Wire-end ferrule with an additional plastic collar

Figure 68: Wire-end ferrule with an additional plastic collar

Figure 69: Wire-end ferrule with an additional plastic collar

Figure 70: Wire-end ferrule with an additional plastic collar

Figure 71: Wire-end ferrule with an additional plastic collar

Figure 72: Wire-end ferrule with an additional plastic collar

Figure 73: Wire-end ferrule with an additional plastic collar

Figure 74: Wire-end ferrule with an additional plastic collar

Figure 75: Wire-end ferrule with an additional plastic collar

Figure 76: Wire-end ferrule with an additional plastic collar

Figure 77: Wire-end ferrule with an additional plastic collar

Figure 78: Wire-end ferrule with an additional plastic collar

Figure 79: Wire-end ferrule with an additional plastic collar

Figure 80: Wire-end ferrule with an additional plastic collar

Figure 81: Wire-end ferrule with an additional plastic collar

Figure 82: Wire-end ferrule with an additional plastic collar

Figure 83: Wire-end ferrule with an additional plastic collar

Figure 84: Wire-end ferrule with an additional plastic collar

Figure 85: Wire-end ferrule with an additional plastic collar

Figure 86: Wire-end ferrule with an additional plastic collar

Figure 87: Wire-end ferrule with an additional plastic collar

Figure 88: Wire-end ferrule with an additional plastic collar

Figure 89: Wire-end ferrule with an additional plastic collar

Figure 90: Wire-end ferrule with an additional plastic collar

Figure 91: Wire-end ferrule with an additional plastic collar

Figure 92: Wire-end ferrule with an additional plastic collar

Figure 93: Wire-end ferrule with an additional plastic collar

Figure 94: Wire-end ferrule with an additional plastic collar

Figure 95: Wire-end ferrule with an additional plastic collar

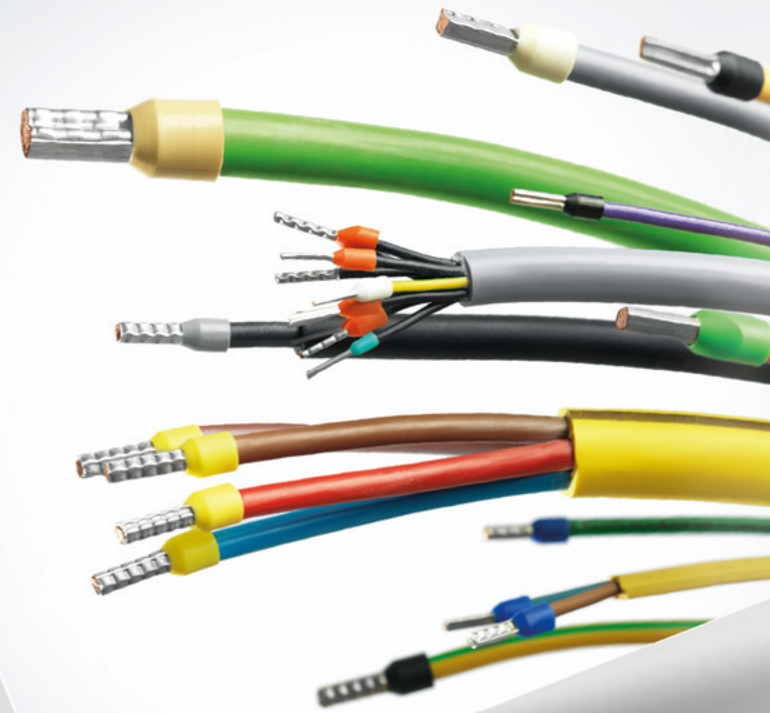
Figure 96: Wire-end ferrule with an additional plastic collar

Figure 97: Wire-end ferrule with an additional plastic collar

Figure 98: Wire-end ferrule with an additional plastic collar

Figure 99: Wire-end ferrule with an additional plastic collar

Figure 100: Wire-end ferrule with an additional plastic collar



Further information can be found in our white paper Crimping:
www.weidmuller.com/crimping-whitepaper

Crimping process and preparatory measures

The way to the perfect connection

Cutting

The process chain for cable processing always starts with cutting the conductor to length. It is important to ensure that a clean, square and above all crush-free cut is made.

TOOL TIP: Weidmüller KT 8 (9002650000)



Sheared-off conductor



Extracted conductor



Crushed cable



Example of a clean cut

Stripping

After cutting the conductor to length, it is prepared for crimping. First, a predetermined length of insulation is removed without damaging the conductor. The subsequent contact point or the wire-end ferrule to be processed determines how much of the conductor insulation needs to be removed. Care must also be taken here to make sure that the cable is stripped to a high quality standard. Stripping faults that must be avoided are listed in DIN IEC 60352-2.

TOOL TIP: Weidmüller stripax® (9005000000)



Damaged conductor insulation



Damaged or cut-off individual strands



Excessively twisted individual strands



Perfectly stripped conductor

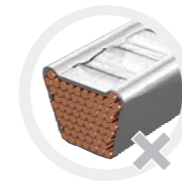
Crimping process

After stripping the insulation, a suitable contact or wire-end ferrule can be crimped onto the end of the cable.

The following steps must be followed:

- Push the wire-end ferrule onto the conductor as far as it will go
- Conductor must protrude out of the ferrule, but no more than 0.5 mm
- Place the tool directly behind the plastic collar
- Crimp over the entire length of the ferrule – if necessary, in two steps

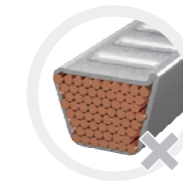
TOOL TIP: Weidmüller PZ 6 Roto ADJ (2831380000)



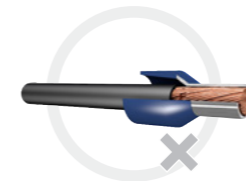
Cracking or bursting on the side edges



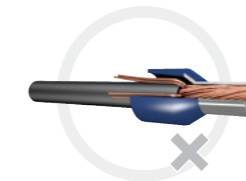
Cracks forming at the impressions of the crimping jaw



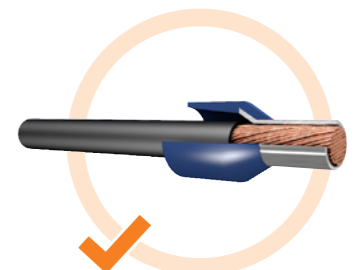
Asymmetrical crimping shape, burr formation on one side



Single conductor squeezed off



Single conductor pushed back



Strands looking out of the tube

Further fault patterns that must be avoided during crimping:

- Copper tube of the wire-end ferrule is not completely filled
- Plastic collar damaged by crimping jaw
- Conductor insulation is not pushed into the plastic collar
- Wire-end ferrule is bent in longitudinal direction after crimping

Standards and approvals

UL certification according UL 486F and DIN 46228-1/4

Approvals and standards ensure consistent quality and support global trade. For wire-end ferrules, key standards include Europe's DIN 46228-1/4 and North America's UL 486 F.

UL 486 F

UL approval differs from conventional standards because, as it is issued after extensive testing in dedicated test laboratories. Wire-end ferrules are always tested as part of a system along with their processing tool according to UL 486 F and receive a joint approval. End users can verify that their materials are certified in the UL online certification directory: [UL Directory] (<https://productiq.ulprospector.com/de>). The E number for Weidmüller hand tools and crimping machines in combination with wire-end ferrules is E499744. UL 486 F standard closely follows the German DIN 46228 standard.

Further technical details can be found in our technical information:

www.weidmueller.com/ul-tools

DIN 46228-1/4

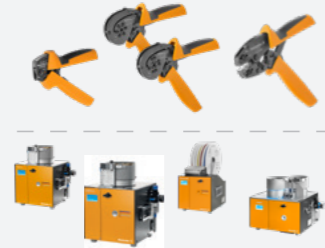
DIN 46228-1/4 defines the requirements and test methods for wire-end ferrules and their use. Part 1 covers wire-end ferrules in tubular form without plastic collar, while Part 4 contains specific requirements for wire-end ferrules in tubular form with plastic collar. The standard specifies the materials, dimensions and properties that the ferrules must possess in order to ensure a safe and reliable connection. It plays an important role in quality assurance for electrical installations. Compliance with this standard is the responsibility of the manufacturer or operating company. There is no central supervisory authority.



Standards and approvals



Weidmüller wire-end ferrules



Weidmüller crimping tools and automatic machines



Approval

Differences and similarities

UL 486 F and DIN 46228-4

	UL 486 F	DIN 46228-4
Cross-section range	AWG 26 - 700 MCM (0,14 mm ² - 300 mm ²)	0,5 - 50 mm ² (AWG 20 - 1/0)
Dimensions, tolerances, identifying colours	Both standards are the same in terms of dimensions, tolerances, and identifying colours used on plastic sleeves.	
General	UL tests the wire end ferrule as part of a system, with appropriate tools	Necessary crimping tools are not standardized; therefore testing of the crimped wire end ferrule is not required, however a test can be agreed to. In this case, the test methods indicated below apply.
Test methods	Tensile testing Mold stress relief test Dielectrical withstand test	Dimensional inspection Tensile testing

AWG	mm ²	UL 486 F*	DIN 60999-1 DIN 60947-1 DIN 46228-1/4*
26	0.14	7 N	-
24	0.25	10 N	10 N
22	0.34	15 N	15 N
20	0.5	20 N	20 N
18	0.75	30 N	30 N
-	1	35 N	35 N
16	1.5	40 N	40 N
14	2.5	50 N	50 N
12	4	60 N	60 N
10	6	80 N	80 N
8	10	90 N	90 N
6	16	100 N	100 N
4	25	135 N	135 N
2	35	190 N	190 N
1	50	190 N	236 N

*UL 486 F ranges from AWG 26 to 700 MCM (0.14 to 300 mm²). Cross-sections above AWG 1 (50 mm²) are less relevant and therefore not shown.

*Under DIN 46228-4, the pull-off forces apply only above 0.5 mm²

Wire end ferrules	<p>Copper sleeve: must consist of at least 80% copper and be coated with tin</p> <p>Plastic sleeve: Identifying colours as specified in the standard, must fulfil one of the conditions indicated for flammability</p> <p>a) Minimum flammability classification of HB in accordance with UL 94 or CAN/CSA-C22.2 no. 0.17</p> <p>b) Filament test in accordance with UL 746C or CSA C22.2 no. 0.17 for a temperature of 650°C</p> <p>c) Flammability classification of SC-0, SC-1, SC-TC 0 or SC-TC 1 according to UL 1694</p>	<p>Copper sleeve: Cu-DHP or Cu-ETP according to DIN EN 12449:2016-11, tensile strength R_m min. 250 N/mm², electroplated with tin, layer thickness of at least 3 µm</p> <p>Plastic sleeve: Plastic moulding compound selected by the manufacturer, identifying colour as specified by the standard</p>
Temperatures	Polymer material must have a minimum relative thermal index of 80°C.	The plastic sleeve must be suitable for a continuous temperature of at least 105°C
Labelling, marking and packaging	<p>Smallest packing unit with the following information:</p> <ul style="list-style-type: none"> • Manufacturer name, trademark, or trade name • Unique catalogue number or equivalent • Wire type. CU or copper • Stranding type (such as class B, C, ...) • Installation tool, manufacturer name, catalogue number • Stripping length 	<p>Smallest packing unit with the following information:</p> <ul style="list-style-type: none"> • Name / origin designation of the manufacturer / supplier • Wire end ferrule standard designation

No CE conformity marking allowed for wire-end ferrules

Under current legislation, the safety of insulated small connection components (such as wire-end ferrules, tubular cable lugs, etc.) can only be ensured once they are installed. For this reason, CE conformity marking is not allowed for small connection components.

In order to make a terminal or a system safe and thus CE-compliant, it is essential to use highquality individual components at all times – such as those from Weidmüller.

We declare under our sole responsibility that the in-house wire-end ferrules meet the highest international quality standards. When used in combination with Weidmüller crimping tools and crimping machines, you create the ideal conditions for a high-quality, durable and CE-compliant crimped connection. At Weidmüller, we guarantee a secure connection.



Quality – laboratory-tested for maximum durability Tests for wire-end ferrules





At Weidmüller, the quality and reliability of our wire-end ferrules are our top priority. While DIN 46228 only requires a visual inspection and a tensile test to determine the conductor extraction force, and UL additionally requires Dielectrical withstand test and Mold stress relief test, we deliberately go beyond these requirements. Our aim is to meet the highest standards and to offer our customers products that are not only standard-compliant, but also particularly robust and durable.

To achieve this goal, we rely on a comprehensive testing process that covers far more than the standardised tests. Each crimp connection with our wire-end ferrules is





subjected to a variety of additional test methods in our accredited laboratory. These additional tests not only ensure compliance with technical specifications, but also ensure the reliability and durability of our products in applications.

Through our commitment to quality and by consistently exceeding testing requirements, we set new benchmarks in the industry. Our mission is to deliver products that not only meet, but go beyond customer expectations.

Required according to DIN/UL:

-  Visual inspection
-  Tensile test
-  Mold stress relief test
-  Dielectrical withstand test

Additional Weidmüller requirements:

-  Rotation test
-  Bending test
-  Climatic test
-  Electrical tests
-  Crimp dimensions
-  Insertion test
-  verification of rated cross-section

Normative requirements

according to DIN 46228 and UL 486 F

Visual inspection

During the visual inspection of the ferrule connection, the crimp shape is assessed and checked for possible cracks and defects:

- Bursting of the wire-end ferrule
- Asymmetrical crimp shape
- Severe burr formation on the lateral edges
- Individual strands pushed back, or pinched single strands
- Ferrule not filled by the conductor
- Conductor insulation is not pushed into the plastic collar



AWG	mm ²	DIN 60999-1 DIN 60947-1 DIN 46228-1/4	UL 486 F
24	0,25	10 N	20 N
22	0,34	15 N	20 N
20	0,5	20 N	20 N
18	0,75	30 N	30 N
-	1	35 N	35 N
16	1,5	40 N	40 N
14	2,5	50 N	50 N
12	4	60 N	60 N
10	6	80 N	80 N
8	10	90 N	90 N
6	16	100 N	100 N
4	25	135 N	135 N
2	35	190 N	190 N

*UL 486 F ranges from AWG 26 to 700 MCM (0.14 to 300 mm²). Cross-sections above AWG 1 (50 mm²) are less relevant and therefore not shown.

Mold stress relief test

Conductors crimped with wire-end ferrules are exposed to increased thermal stress over a defined period of time and are checked again after a reduction in temperature.



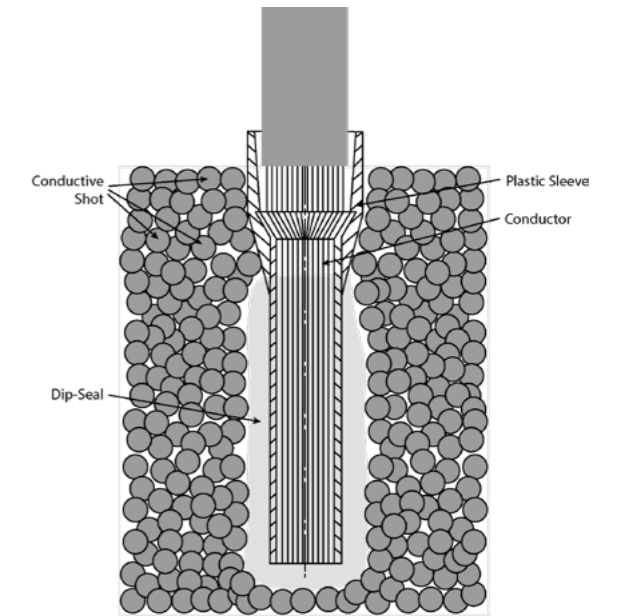
Tensile test (conductor extraction force)

The tensile test is carried out on the connection without the plastic sleeve. If present, the plastic sleeve must be removed. The conductor is passed through a perforated template and clamped at both ends in the tensile testing machine. The pulling is carried out at a test speed of 25 mm/min for 1 minute with minimal jerking.

The required conductor extraction values are specified in DIN 60999-1. According to DIN 46228-4, the conductor must not move noticeably within the wire-end ferrule or be pulled out during the test.

Dielectrical withstand test

Following the strain relief test, the crimped conductor is exposed to AC voltage over a defined period of time in an environment with metal scrap. The voltage conditions are then rechecked.

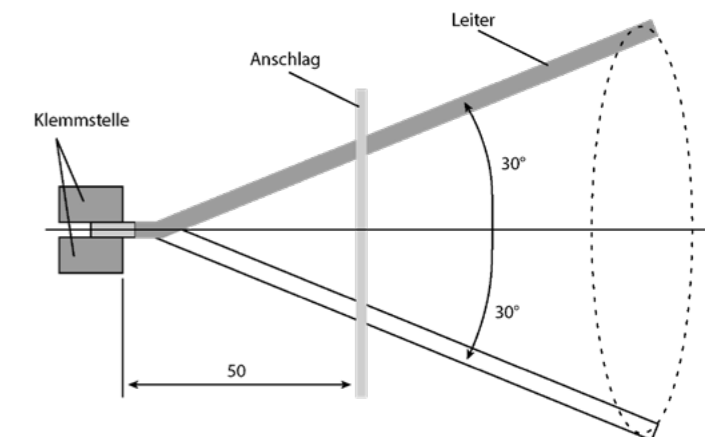


Rotation test

While under constant weight, a conductor is subjected to a circular rotating motion. Afterwards, a static tensile load is applied, and the conductor extraction force is determined at a defined speed.

Bending test

For the bending test, the crimped wire-end ferrule is installed in the relevant contact point. The test assesses the secure seating of the conductor in the wire-end ferrule under rotating movements with 30° or 90° deflection.



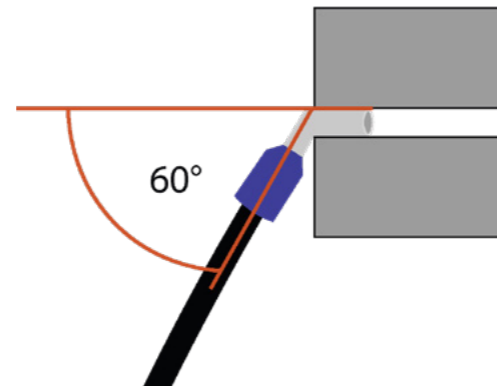
Weidmüller requirements

Safety beyond the standard

Bending test to fracture up to 60°

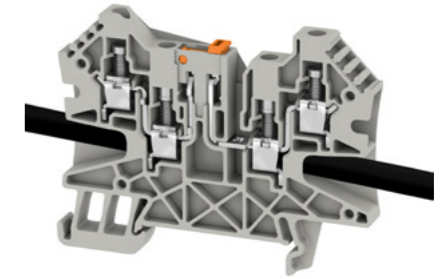
The crimped wire-end ferrules are positioned in a fixture in such a way that the last impression of the insert cam is slightly offset from the outside edge of the fixture. A 60° bend is then applied from the side with the most prominent impression.

The test is considered to have been passed if the wire-end ferrule shows no signs of cracking or fracture.



Insertion test

A test of the crimp density or microsection is generally not meaningful, as the wire-end ferrule connection is often inserted into a clamping system and undergoes further deformation. For this reason, the crimped conductor is also tested for its behaviour in clamping systems (e.g. tension clamp, screw, push-in, and snap-in connections).



Climatic and electrical tests

The wire-end ferrules are first subjected to a voltage drop test, followed by cyclical exposure to various climatic conditions:

- dry heat
- damp heat
- cold

A second voltage drop test is then carried out, and the wire-end ferrules are checked for visible damage.



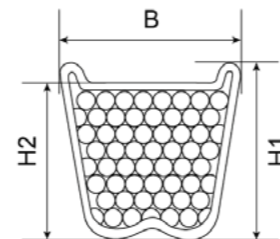
verification of rated cross-section (DIN EN 60947-1)

For this test, a conductor crimped with a wire-end ferrule is inserted into defined connection compartments and subjected to stress. The connection is tested for multiple connections, and the connection compartment size is measured before and after loading. The conductors crimped with wire-end ferrules must be easily insertable into the nominal gauge size.

Dimensional check

For the dimensional check, a wire-end ferrule is crimped onto a class 5 flexible conductor using a crimping tool according to DIN EN 60228.

The degree of compression for wire-end ferrules must not exceed the contour of the associated gauge pin in DIN EN 60947-1.



Weidmüller wire-end ferrules with plastic collar

Technical data

The materials used in wire-end ferrules supplied by Weidmüller Interface GmbH & Co. KG may be described as follows:

- Production: "Made in Germany"
- Hazardous substances:: The materials used for the production are: classified as not harmful.
- Material:
 - Plastic collar Polypropylene homopolymer (UL File No. E111275); flammability rating HB
 - Copper tube Copper (Cu-DHP), electroplated with tin, bright finish
- Temperature resistance: Heat-resistant from -5°C to +105°C
- Standards:
 - Dimensions and tolerances according to DIN 46228 Part 4
 - UL test certificate, Certification No. E354968 / E499744
 - CSA-US / ANSI-UL, CSA-US test certificate, Certification No. 11 76867 Master Contract No. 209623

Weidmüller wire-end ferrules without plastic collar

Technical data

The materials used in wire-end ferrules supplied by Weidmüller Interface GmbH & Co. KG may be described as follows:

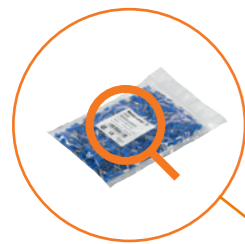
- Production: "Made in Germany"
- Hazardous substances:: The materials used for the production are: classified as not harmful.
- Material:
 - Copper tube Copper (Cu-DHP), electroplated with tin, bright finish
- Temperature resistance: Heat-resistant up to +120°C
- Standards:
 - Dimensions and tolerances according to DIN 46228 Part 1
 - UL test certificate, Certification No. E354968 / E499744
 - CSA-US / ANSI-UL, CSA-US test certificate, Certification No. 11 76867 Master Contract No. 209623

Labels

according to Weidmüller standard

Our labels provide comprehensive information on product features, quality certifications, batch numbers, application notes and technical data. Much of this information is required by UL 486 F.

Understanding our labels allows you to use our products efficiently and effectively, allowing you to maximise the benefit and performance of our wire-end ferrules. Below is an overview and explanation of the contents of a sample label.



Weidmüller
Weidmüller Interface GmbH & Co. KG, Klingenbergstraße 26, 32758 Detmold

Order number **9019010000**

Quantity **QTY: 500**

Type: Conductor connection cross-section/L in mm/colour **H0,5/14D white**

Connection cross-section/AWG max. **Ø: 0,5mm² // AWG20 / STRIP LENGTH: 10mm**

Wire-end ferrule according to DIN for copper conductors **DIN FERRULE FOR STR CU WIRE**

Information on the plastic collar **PLASTIC SLEEVE IS FOR IDENTIFICATION ONLY AND IT IS NOT ELECTRICAL INSULATION**

Conductor classes **WIRE CLASS: B,K**

Wire-end ferrules type **COVERED FERRULE**

Recommended crimping tool **TOOLING: PZ 6 ROTO L**

Complete approved tool list **www.weidmueller.com/ul-tools**

Batch number **Q 9912-241108-000**

Barcode **4 008190 120931 00000001 5KU2 010**

Quality standard „Made in Germany“ **Made in Germany**

Standards and certificates **UL CERTIFIED SAFETY US-CA E499744**

Data Matrix code

Batch tracing

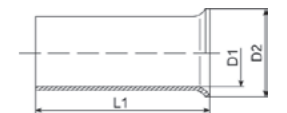
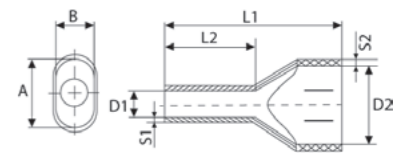
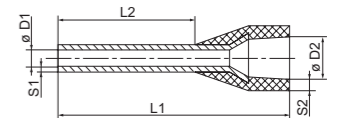
QR code/safety information

Recommended stripping length

Weidmüller wire-end ferrules

Our portfolio

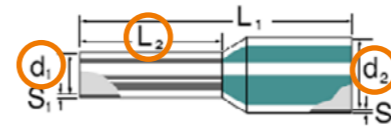
- **Wire-end ferrules with standard plastic collar:** Dimensions according to standard
- **Wire-end ferrules with plastic collar in special sizes:**
 - larger plastic collar for multi-standard conductors
 - extra-large plastic collar for short-circuit and earth-fault-proof conductors
- **twin wire-end ferrules with plastic collar:** ferrule suitable for two conductors
- **wire-end ferrules without plastic collar:** insulation-dependent



- **Wide cross-section/application range:**
 - d1 = 0.14-150 mm² / AWG 28-300 MCM
 - L2 = 6-32 mm

- **Plastic collar colour coding:**
 - DIN
 - WEIDMÜLLER
 - Other

- **Read important dimensions:**



d1: Copper tube diameter depending on the conductor cross-section
d2: Diameter of the plastic collar depending on the conductor insulation thickness
L2: Length of the crimp surface of the copper tube depending on the connection component

- **Find dimensions in our tables:**

Typ	Ø mm²	AWG	L1	L2	D1	D2	S1	S2	Abisolierlänge	VPE	Weidmüller Farbcode Best.-Nr.	DIN Farbcode Best.-Nr.	Sonstiger Farbcode Best.-Nr.
H0,25/10	0,25	AWG 24	10,00	6	0,8	1,8	0,15	0,25	8	500	9025740000		9021010000
H0,25/12	0,25	AWG 24	12,00	8	0,8	1,8	0,15	0,25	10	500	9025760000		9021020000
H0,34/10	0,34	AWG 22	10,00	6	0,8	2	0,15	0,25	8	500	9025750000		

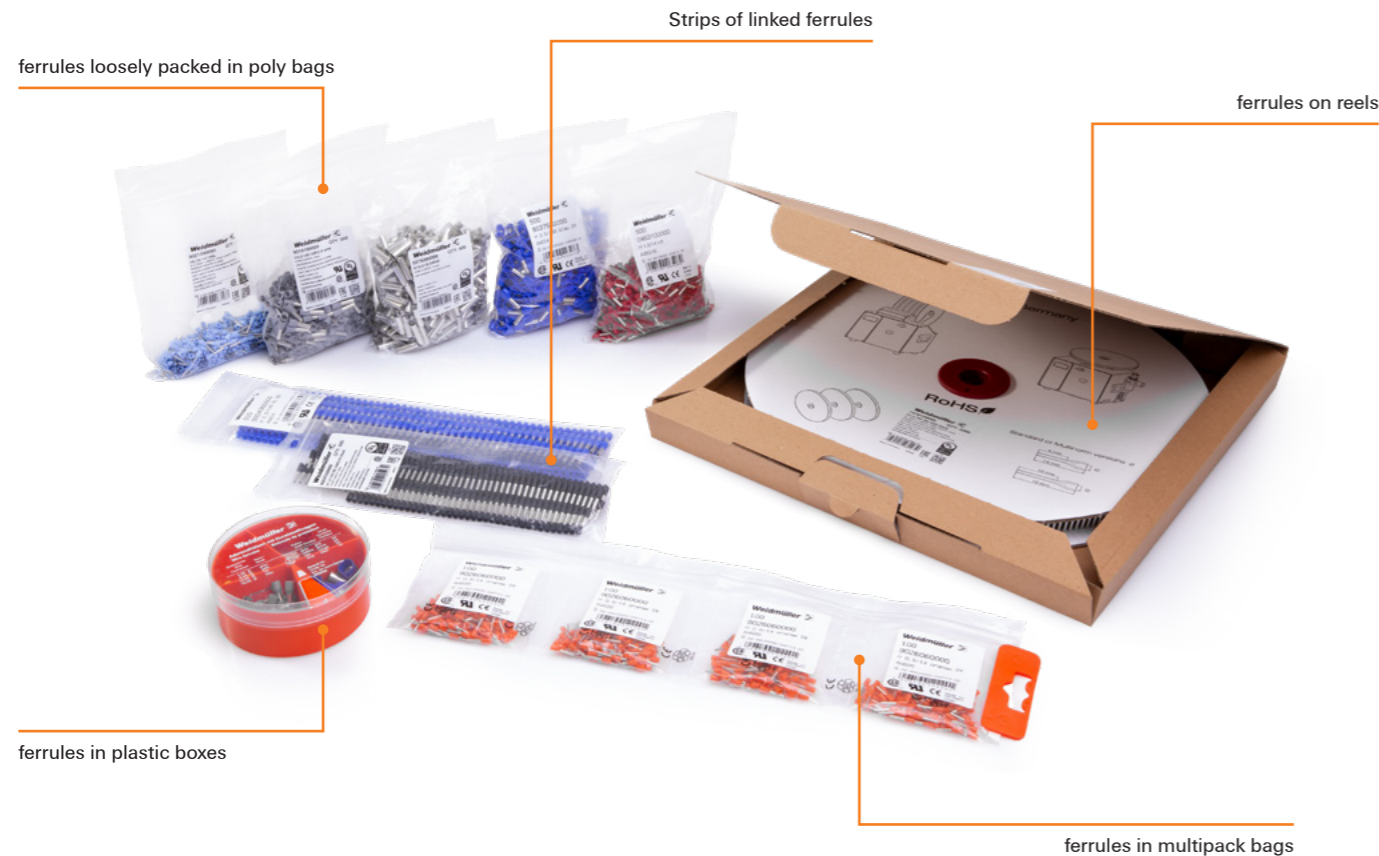
Dimensions according to UL 486F and DIN 46228-4.

More information about UL 486F and DIN 46228-4 can be found on pages 12 and 13.

Packaging solutions for our wire-end ferrules

The use of wire-end ferrules ensures consistently high-quality electrical connections and offers additional installation advantages. The range includes wire-end ferrules with and without plastic collar, as well as twin wire-end ferrules, in all standard market colours.

For flexible handling, our wire-end ferrules are available in different packing units. Poly bags of 500 pieces allow quick removal, while multipack bags of 5 x 100 pieces facilitate type-specific removal of smaller quantities. For automated processes, we offer linked wire-end ferrules on reels of 5,000 pieces – ideal for crimping machines – as well as on strips of 50 pieces for easy processing in stripax® plus. In addition, our wire-end ferrules are available in robust plastic boxes with a rotating, transparent lid, which are ideal for storing smaller quantities for different cross-sections.



Wire-end ferrules with plastic collar

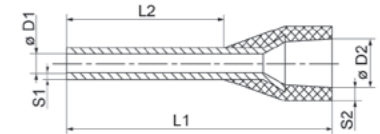


Loosely packed



- Polypropylene insertion funnel
- Heat-resistant up to 105°C

For conductors from 0.25-150 mm² (AWG 24-300 MCM)
Material E-Cu, electroplated with tin
Dimensional tolerance acc. to DIN 46228 Part 4



Type	Ø mm ²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Qty.	Weidmüller colour code Order No.	VG*	DIN colour code Order No.	Other colour code Order No.
H0,25/10	0,25	AWG 24	10,00	6	0,8	1,8	0,15	0,25	8	500	● 9025740000			● 9021010000
H0,25/12	0,25	AWG 24	12,00	8	0,8	1,8	0,15	0,25	10	500	● 9025760000			● 9021020000
H0,34/10	0,34	AWG 22	10,00	6	0,8	2	0,15	0,25	8	500	● 9025750000			
H0,34/12	0,34	AWG 22	12,00	8	0,8	2	0,15	0,25	10	500	● 9025770000			
H0,5/12	0,5	AWG 20	12,00	6	1	2,6	0,15	0,25	8	500	● 0409500000	T 20A 001 A ○	9019000000 ○	9019000000 ○
H0,5/14	0,5	AWG 20	14,00	8	1	2,6	0,15	0,25	10	500	● 0690700000	T 20A 002 A ○	9019010000 ○	9019010000 ○
H0,5/14 SP	0,5	AWG 20	14,00	8	1	2,6	0,15	0,25	10	100	● 1476230000	T 20A 002 A ○	1476300000 ○	1476300000 ○
H0,5/16	0,5	AWG 20	16,00	10	1	2,6	0,15	0,25	12	500	● 9025870000	T 20A 003 A ○	9019020000 ○	9019020000 ○
H0,5/18	0,5	AWG 20	18,00	12	1	2,6	0,15	0,25	14	500	● 1076980000	T 20A 003 A ○	1076990000 ○	1076990000 ○
H0,75/12	0,75	AWG 18	12,00	6	1,2	2,8	0,15	0,25	8	500	○ 0409600000	T 20A 004 A ●	9019030000 ●	9021030000 ●
H0,75/14	0,75	AWG 18	14,00	8	1,2	2,8	0,15	0,25	10	500	○ 0462900000	T 20A 004 A ●	9019040000 ●	9021040000 ●
H0,75/14 SP	0,75	AWG 18	14,00	8	1,2	2,8	0,15	0,25	10	100	○ 1476240000	T 20A 004 A ●	1476310000 ●	
H0,75/16	0,75	AWG 18	16,00	10	1,2	2,8	0,15	0,25	12	500	○ 9025860000	T 20A 006 A ●	9019050000 ●	9021050000 ●
H0,75/18	0,75	AWG 18	18,00	12	1,2	2,8	0,15	0,25	14	500	○ 9025910000	T 20A 007 A ●	9019060000 ●	9021060000 ●
H1,0/12	1	AWG 17	12,00	6	1,4	3	0,15	0,25	8	500	● 0409700000	T 20A 008 A ●	9019070000 ●	9019070000 ●
H1,0/14	1	AWG 17	14,00	8	1,4	3	0,15	0,25	10	500	● 0463000000	T 20A 009 A ●	9019080000 ●	9019080000 ●
H1,0/14 SP	1	AWG 17	14,00	8	1,4	3	0,15	0,25	10	100	● 1476250000	T 20A 009 A ●	1476320000 ●	1476320000 ●
H1,0/16	1	AWG 17	16,00	10	1,4	3	0,15	0,25	12	500	● 9025950000	T 20A 010 A ●	9019100000 ●	9019100000 ●
H1,0/18	1	AWG 17	18,00	12	1,4	3	0,15	0,25	15	500	● 9025930000	T 20A 011 A ●	9019110000 ●	9019110000 ●
H1,5/14 SP	1,5	AWG 16	14,00	8	1,7	3,5	0,15	0,25	10	100	● 1476270000	T 20A 012 A ●	1476330000 ●	1476330000 ●
H1,5/16	1,5	AWG 16	16,00	10	1,7	3,5	0,15	0,25	12	500	● 0635100000	T 20A 013 A ●	9019130000 ●	9019130000 ●
H1,5/24	1,5	AWG 16	24,00	18	1,7	3,5	0,15	0,25	20	500	● 0565600000	T 20A 013 A ●	9019150000 ●	9019150000 ●
H1,5/14	1,5	AWG 16	14,00	8	1,7	3,5	0,15	0,25	10	500	● 0463100000	T 20A 012 A ●	9019120000 ●	9019120000 ●
H1,5/18	1,5	AWG 16	18,00	12	1,7	3,5	0,15	0,25	15	500	● 9019140000	T 20A 014 A ●	9019140000 ●	9019140000 ●
H2,5/15	2,5	AWG 14	15,00	8	2,2	4,2	0,15	0,25	10	500	● 9019160000	T 20A 017 A ●	9019160000 ●	9021070000 ●
H2,5/15 SP	2,5	AWG 14	15,00	8	2,2	4,2	0,15	0,25	10	100	● 1476280000	T 20A 017 A ●	1476280000 ●	
H2,5/19	2,5	AWG 14	19,00	12	2,2	4,2	0,15	0,25	14	500	● 9019170000	T 20A 017 A ●	9019170000 ●	9021080000 ●
H2,5/25	2,5	AWG 14	25,00	18	2,2	4,2	0,15	0,25	20	500	● 9019180000	T 20A 018 A ●	9019180000 ●	9021090000 ●
H4,0/18	4	AWG 12	18,00	10	2,8	4,8	0,2	0,3	12	500	● 9019190000	T 20A 019 A ●	9019190000 ●	9021100000 ●
H4,0/18 SP	4	AWG 12	18,00	10	2,8	4,8	0,2	0,3	12	100	● 1476290000	T 20A 019 A ●	1476290000 ●	
H4,0/20	4	AWG 12	20,00	12	2,8	4,8	0,2	0,3	14	500	● 9019200000	T 20A 020 A ●	9019200000 ●	9021110000 ●
H4,0/26	4	AWG 12	26,00	18	2,8	4,8	0,2	0,3	20	100	● 9019210000	T 20A 021 A ●	9019210000 ●	9021120000 ●
H6,0/26	6	AWG 10	26,00	18	3,5	6,3	0,2	0,3	20	100	● 0565700000	T 20A 023 A ●	9019230000 ●	9021140000 ●
H6,0/20	6	AWG 10	20,00	12	3,5	6,3	0,2	0,3	14	100	● 0533500000	T 20A 022 A ●	9019220000 ●	9021130000 ●
H10,0/22	10	AWG 8	22,00	12	4,5	7,6	0,2	0,4	15	100	● 0534200000	T 20A 024 A ●	9019240000 ●	9021150000 ●
H10,0/28	10	AWG 8	28,00	18	4,5	7,6	0,2	0,4	21	100	● 0565800000	T 20A 025 A ●	9019250000 ●	9021160000 ●
H16,0/22	16	AWG 6	22,00	12	5,8	8,8	0,2	0,4	15	100	● 0565900000	T 20A 026 A ●	9019260000 ●	9021170000 ●
H16,0/28	16	AWG 6	28,00	18	5,8	8,8	0,2	0,4	21	100	● 0566000000	T 20A 027 A ●	9019270000 ●	9021180000 ●
H25,0/30	25	AWG 3	30,00	16	7,3	11,2	0,2	0,4	18	50	● 0317000000	T 20A 028 A ●	9019280000 ●	9021190000 ●
H25,0/36	25	AWG 3	36,00	22	7,3	11,2	0,2	0,4	24	50	● 0317100000	T 20A 030 A ●	9019300000 ●	9021200000 ●
H35,0/30	35	AWG 2	30,00	16	8,3	12,7	0,2	0,4	19	50	● 0317200000	T 20A 031 A ●	9019310000 ●	
H35,0/32	35	AWG 2	32,00	18	8,3	12,7	0,2	0,4	19	50	● 0317300000	T 20A 032 A ●	9019320000 ●	
H35,0/39	35	AWG 2	39,00	25	8,3	12,7	0,2	0,4	28	50	● 0317300000	T 20A 033 A ●	9019330000 ●	
H50,0/36	50	AWG 1	36,00	20	10,3	15	0,3	0,5	26	50	● 0444200000	T 20A 034 A ●	9019340000 ●	
H50,0/41	50	AWG 1	41,00	25	10,3	15	0,3	0,5	31	50	● 9028200000	T 20A 035 A ●	9019350000 ●	
H70,0/37	70	AWG 2/0	37,00	21	12,7	16	0,35	0,6	26	25	● 9028210000			
H95,0/44	95	AWG 3/0	44,00	25	14,7	18	0,35	0,6	31	25	● 9028220000			
H120,0/5	120	AWG 4/0	50,00	30	16,5	21	0,5	0,7	36	25	● 9028230000			
H150,0/5	150	AWG 300 MCM	54,00	32	18,5	23,5	0,5	0,75	38	25	● 9028230000			

*VG approval

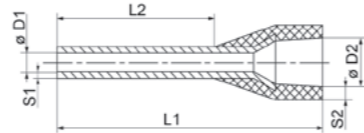
Wire-end ferrules with plastic collar

Multipack bag



- Polypropylene insertion funnel
- Heat-resistant up to 105°C

For conductors from 0.14–4 mm² (AWG 26–12)
Material E-Cu, electroplated with tin
Dimensional tolerance acc. to DIN 46228 Part 4



Type	Ø mm ²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Qty.	Weidmüller colour code Order No.	DIN colour code Order No.	Other colour code Order No.
H0,14/10	0,14	AWG 26	10,00	6	0,6	1,5	0,15	0,25	8	500	● 9005180000		● 9028250000
H0,14/12	0,14	AWG 26	12,00	8	0,6	1,5	0,15	0,25	10	500	● 9028240000		
H0,25/10	0,25	AWG 24	10,00	6	0,8	1,8	0,15	0,25	8	500	● 9026050000		● 9021210000
H0,25/12	0,25	AWG 24	12,00	8	0,8	1,8	0,15	0,25	10	500	● 9025780000		● 9021220000
H0,34/10	0,34	AWG 22	10,00	6	0,8	2	0,15	0,25	8	500	● 9026030000		
H0,34/12	0,34	AWG 22	12,00	8	0,8	2	0,15	0,25	10	500	● 9025790000		
H0,5/12	0,5	AWG 20	12,00	6	1	2,6	0,15	0,25	8	500	● 9028260000		
H0,5/14	0,5	AWG 20	14,00	8	1	2,6	0,15	0,25	10	500	● 9026060000	T 20A 002 A ○	○ 9019400000
H0,5/16	0,5	AWG 20	16,00	10	1	2,6	0,15	0,25	12	500	● 9028270000		
H0,75/12	0,75	AWG 18	12,00	6	1,2	2,8	0,15	0,25	8	500	○ 9028280000		
H0,75/14	0,75	AWG 18	14,00	8	1,2	2,8	0,15	0,25	10	500	○ 9026070000	T 20A 005 A ●	● 9019410000
H0,75/16	0,75	AWG 18	16,00	10	1,2	2,8	0,15	0,25	12	500	○ 9028290000		
H0,75/18	0,75	AWG 18	18,00	12	1,2	2,8	0,15	0,25	14	500	○ 9028300000		
H1,0/12	1	AWG 17	12,00	6	1,4	3	0,15	0,25	8	500	● 9028310000		
H1,0/14	1	AWG 17	14,00	8	1,4	3	0,15	0,25	10	500	● 9026080000	T 20A 009 A ●	● 9019420000
H1,0/16	1	AWG 17	16,00	10	1,4	3	0,15	0,25	12	500	● 9028320000		
H1,0/18	1	AWG 17	18,00	12	1,4	3	0,15	0,25	15	500	● 9028340000		
H1,5/14	1,5	AWG 16	14,00	8	1,7	3,5	0,15	0,25	10	500	● 9026090000	T 20A 012 A ●	● 9019430000
H1,5/16	1,5	AWG 16	16,00	10	1,7	3,5	0,15	0,25	12	500	● 9028350000		
H2,5/15	2,5	AWG 14	15,00	8	2,2	4,4	0,15	0,25	10	500	● 9026100000	T 20A 017 A ●	● 9026100000
H2,5/15	2,5	AWG 14	15,00	8	2,2	4,2	0,15	0,25	10	500			● 9021240000
H4,0/18	4	AWG 12	18,00	10	2,8	4,8	0,2	0,3	12	250	● 9026010000	T 20A 019 A ●	● 9026010000

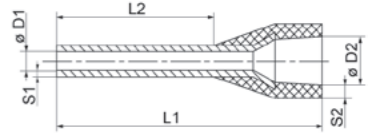
*VG approval

Reel of linked wire-end ferrules



- Polypropylene insertion funnel
- Heat-resistant up to 105°C

For conductors from 0.14–4 mm² (AWG 26–12)
Material E-Cu, electroplated with tin
Dimensional tolerance acc. to DIN 46228 Part 4



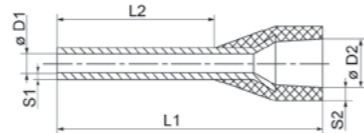
Type	Ø mm ²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Qty.	Weidmüller colour code Order No.	DIN colour code Order No.	Other colour code Order No.
H0,5/14	0,5	AWG 20	14,00	8	1	2,6	0,15	0,25	10	5000	● 9005810000	○ 9005860000	○ 9005860000
H0,5/16	0,5	AWG 20	16,00	10	1	2,6	0,15	0,25	12	5000	● 1476010000	○ 1476070000	○ 1476070000
H0,75/14	0,75	AWG 18	14,00	8	1,2	2,8	0,15	0,25	10	5000	○ 9005820000	● 9005870000	● 9005900000
H0,75/16	0,75	AWG 18	16,00	10	1,2	2,8	0,15	0,25	12	5000	○ 1476030000	● 1476080000	● 1476110000
H1,0/14	1	AWG 17	14,00	8	1,4	3	0,15	0,25	10	5000	● 9005830000	● 9005880000	● 9005880000
H1,0/16	1	AWG 17	16,00	10	1,4	3	0,15	0,25	12	5000	● 1476040000	● 1476090000	● 1476090000
H1,5/14	1,5	AWG 16	14,00	8	1,7	3,5	0,15	0,25	10	5000	● 9005840000	● 9005890000	● 9005890000
H1,5/16	1,5	AWG 16	16,00	10	1,7	3,5	0,15	0,25	12	5000	● 1476050000	● 1476100000	● 1476100000
H2,5/14	2,5	AWG 14	14,00	8	2,2	4,2	0,15	0,25	10	3000	● 9005850000	● 9005850000	● 9005910000
H2,5/16	2,5	AWG 14	16,00	10	2,2	4,2	0,15	0,25	12	3000	● 1476060000	● 1476060000	● 1476120000

Strips of linked WEFs



- Polypropylene insertion funnel
- Heat-resistant up to 105°C

For conductors from 0.14–4 mm² (AWG 26–12)
Material E-Cu, electroplated with tin
Dimensional tolerance acc. to DIN 46228 Part 4



Type	Ø mm ²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Qty.	Weidmüller colour code Order No.	DIN colour code Order No.	Other colour code Order No.
H0,5/14	0,5	AWG 20	14,00	8	1	2,6	0,15	0,25	10	500	● 9004270000	T 20A 002 A ○	○ 9004280000
H0,75/14	0,75	AWG 18	14,00	8	1,2	2,8	0,15	0,25	10	500	○ 9004290000	T 20A 005 A ●	● 9004310000
H1,0/14	1	AWG 17	14,00	8	1,4	3	0,15	0,25	10	500	● 9004320000	T 20A 009 A ●	● 9004330000
H1,5/14	1,5	AWG 16	14,00	8	1,7	3,2	0,15	0,25	10	500	● 9004340000	T 20A 012 A ●	● 9004350000
H2,5/14	2,5	AWG 14	14,00	8	2,2	4,2	0,15	0,25	10	500	● 9004360000	T 20A 017 A ●	● 9004370000

*VG approval

Twin wire-end ferrules with plastic collar

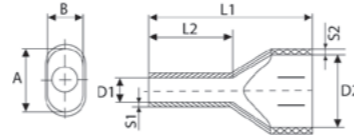


Loosely packed



- Polypropylene insertion funnel
- Heat-resistant up to 105°C

For conductors from 2 x 0.34 - 2 x 16 mm² (2 x AWG 22 - 2 x AWG 6)
Material E-Cu, electroplated with tin
Dimensional tolerance acc. to DIN 46228 Part 4



Type	Ø mm ²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Qty.	Weidmüller colour code Order No.	DIN colour code Order No.	Other colour code Order No.
H0,34/15	0,34	AWG 22	15,00	8	1,2		0,15	0,25	11	500	1139070000		
H0,5/14	0,5	AWG 20	14,00	8	1,4		0,15	0,3	11	500	9037200000	9037380000	9037380000
H0,5/16	0,5	AWG 20	16,00	10	1,4		0,15	0,3	13	500	9037210000	9037390000	9037390000
H0,5/18	0,5	AWG 20	18,00	12	1,4		0,15	0,3	15	500	9037220000	9037400000	9037400000
H0,75/14	0,75	AWG 18	14,00	8	1,7		0,15	0,3	11	500	9037230000	9037410000	9037610000
H0,75/16	0,75	AWG 18	16,00	10	1,7		0,15	0,3	13	500	9037240000	9037420000	9037620000
H0,75/19	0,75	AWG 18	19,00	12	1,7		0,15	0,3	15	500	9202820000	9202830000	9202840000
H0,75/24	0,75	AWG 18	24,00	18	1,7		0,15	0,3	21	500	9037250000	9037430000	9037630000
H1,0/15	1	AWG 17	15,00	8	2		0,15	0,3	11	500	9037260000	9037440000	9037440000
H1,0/15S	1	AWG 17	15,00	8	2,3		0,15	0,3	12	500	9018690000		
H1,0/19	1	AWG 17	19,00	12	2		0,15	0,3	16	500	9037270000	9037450000	9037450000
H1,0/22	1	AWG 17	22,00	14	2		0,15	0,3	21	500	9036330000	9036330000	9036330000
H1,0/25	1	AWG 17	25,00	18	2		0,15	0,3	22	500	9037280000	9037460000	9037460000
H1,5/16	1,5	AWG 16	16,00	8	2,2		0,15	0,3	11	500	9037290000	9037470000	9037470000
H1,5/20	1,5	AWG 16	20,00	12	2,2		0,15	0,3	15	500	9037300000	9037480000	9037480000
H1,5/26	1,5	AWG 16	26,00	18	2,2		0,15	0,3	21	100	9037310000	9037490000	9037490000
H2,5/19	2,5	AWG 14	19,00	10	2,8		0,15	0,4	13	500	9037500000	9037640000	9037640000
H2,5/21	2,5	AWG 14	21,00	12	2,8		0,15	0,4	15	100	9037510000	9037650000	9037650000
H2,5/27	2,5	AWG 14	27,00	18	2,8		0,15	0,4	21	100	9037520000	9037660000	9037660000
H4,0/22	4	AWG 12	22,00	12	3,5		0,2	0,5	15	100	9037530000	9037670000	9037670000
H4,0/28	4	AWG 12	28,00	18	3,5		0,2	0,5	21	100	9037540000	9037680000	9037680000
H6,0/23	6	AWG 10	23,00	12	4,5		0,2	0,5	20	100	9037320000	9037550000	9037690000
H6,0/29	6	AWG 10	29,00	18	4,5		0,2	0,5	24	100	9037330000	9037560000	9037700000
H10,0/24	10	AWG 8	24,00	12	5,8		0,2	0,5	17	100	9037340000	9037570000	9037710000
H10,0/30	10	AWG 8	30,00	18	5,8		0,2	0,5	23	100	9037350000	9037580000	9037720000
H16,0/29	16	AWG 6	29,00	16	8,3		0,3	0,6	20	50	9037360000	9037590000	9037730000
H16,0/38	16	AWG 6	38,00	25	8,3		0,3	0,6	29	50	9037370000	9037600000	9037740000

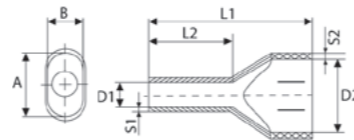


Multipack bag



- Polypropylene insertion funnel
- Heat-resistant up to 105°C

For conductors from 2 x 0.34 - 2 x 16 mm² (2 x AWG 22 - 2 x AWG 6)
Material E-Cu, electroplated with tin
Dimensional tolerance acc. to DIN 46228 Part 4



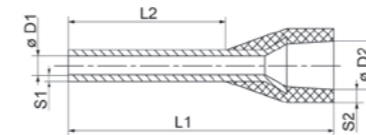
Type	Ø mm ²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Qty.	Weidmüller colour code Order No.	DIN colour code Order No.	Other colour code Order No.
H0,5/14	0,5	AWG 20	14,00	8	1,4		0,15	0,3	11	500	9004440000	9004780000	9004780000
H0,75/14	0,75	AWG 18	14,00	8	1,7		0,15	0,3	11	500	9018510000	9018520000	
H0,75/15	0,75	AWG 18	15,00	8	1,7		0,15	0,3	11	500			9018570000
H0,75/16	0,75	AWG 18	16,00	10	1,7		0,15	0,3	13	500	9004900000	9004770000	9005140000
H1,0/15	1	AWG 17	15,00	8	2,2		0,15	0,3	12	500	9018530000	9018540000	9018540000
H1,0/15S	1	AWG 17	15,00	8	2,2		0,15	0,3	12	500	9018650000		
H1,0/19	1	AWG 17	19,00	12	2		0,15	0,3	16	500	9004910000	9004760000	9004760000
H1,5/16	1,5	AWG 16	16,00	8	2,2		0,15	0,3	11	500	9004410000	9004420000	9004420000
H1,5/20	1,5	AWG 16	20,00	12	2,2		0,15	0,3	15	500	9004920000	9004750000	9004750000
H2,5/19	2,5	AWG 14	19,00	10	2,8		0,15	0,4	13	250	9004430000	9004430000	9018580000
H2,5/21	2,5	AWG 14	21,00	12	2,8		0,15	0,4	15	250	9004740000	9004740000	9005150000
H4,0/22	4	AWG 12	22,00	12	3,5		0,2	0,5	15	100	9004730000	9004730000	9018590000
H6,0/23	6	AWG 10	23,00	12	4,5		0,2	0,5	20	100	9004930000	9004720000	9005160000
H10,0/24	10	AWG 8	24,00	12	5,8		0,2	0,5	17	100	9004940000		
H10,0/26	10	AWG 8	26,00	12	5,8		0,2	0,5	17	100		9004710000	9005170000

Wire-end ferrules for short-circuit-proof and earth-fault-proof cables



- Polypropylene insertion funnel
- Heat-resistant up to 105°C

For conductors from 1.5-16 mm (AWG 26-250 MCM)
Material E-Cu, electroplated with tin
Dimensional tolerance acc. to DIN 46228 Part 4



Weidmüller colour code

Loosely packed



Type	Ø mm ²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H1,5/24 XS SW	1,5	AWG 16	24,00	14,5	1,8	6,8	0,15	0,3	18	● schwarz	100	9202870000
H2,5/24 XS BL	2,5	AWG 14	24,00	14,5	2,3	7,6	0,15	0,3	18	● blau	100	9202880000

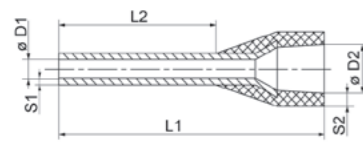
Weidmüller colour code

Multipack bag



Type	Ø mm ²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H1,5/17,5X SW SV	1,5	AWG 16	17,50	8	1,8	6,8	0,15	0,3	13	● schwarz	100	9006590000
H1,5/19,5X SW SV	1,5	AWG 16	19,50	10	1,8	6,8	0,15	0,3	15	● schwarz	100	9006630000
H2,5/17,5X BL SV	2,5	AWG 14	17,50	8	2,3	7,6	0,15	0,3	14	● blau	100	9006670000
H2,5/21,5X BL SV	2,5	AWG 14	21,50	12	2,3	7,6	0,15	0,3	17	● blau	100	9006710000
H4,0/19,5X GR SV	4	AWG 12	19,50	10	2,9	7,8	0,2	0,3	14	● grau	100	9006750000
H6,0/23X GE SV	6	AWG 10	23,00	12	3,6	8,1	0,2	0,3	17	● gelb	100	9006790000
H10,0/24,0X R SV	10	AWG 8	24,00	12	4,6	9,6	0,2	0,3	17	● rot	100	9006830000
H16,0/25,5X BL SV	16	AWG 6	25,50	12	6	11,9	0,2	0,3	26	● blau	100	9006870000

Wire-end ferrules with plastic collar in special sizes



- Polypropylene insertion funnel
- Heat-resistant up to 105°C

For conductors from 0.34–35 mm², material E-Cu
Electroplated with tin
Dimensional tolerance acc. to DIN 46228 Part 4

Special size

Loosely packed



Type	Ø mm ²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0,34/11 S TK	0,34	AWG 22	11,00	6	0,85	2,6	0,15	0,25	6	türkis	500	9204090000
H0,5/14S OR	0,5	AWG 20	14,00	8	1	2,9	0,15	0,25	10	orange	500	9004560000
H0,5/14S W	0,5	AWG 20	14,00	8	1	2,9	0,15	0,25	10	weiß	500	9004590000
H0,5/16 DS W	0,5	AWG 20	16,00	10	1	2,9	0,15	0,25	12	weiß	500	9202910000
H0,5/16S OR	0,5	AWG 20	16,00	10	1	2,9	0,15	0,25	12	orange	500	9202900000
H0,75/14DS GR	0,75	AWG 18	14,00	8	1,2	3,4	0,15	0,25	10	grau	500	9028580000
H0,75/14S W	0,75	AWG 18	14,00	8	1,2	3,4	0,15	0,25	10	weiß	500	9025960000
H0,75/14TS HBL	0,75	AWG 18	14,00	8	1,2	3,4	0,15	0,25	10	hellblau	500	9018550000
H0,75/15S W	0,75	AWG 18	15,00	9	1,2	2,8	0,15	0,25	10	weiß	500	9204240000
H0,75/16DS GR	0,75	AWG 18	16,00	10	1,2	3,4	0,15	0,3	12	grau	500	2091010000
H1,0/14S GE	1	AWG 17	14,00	8	1,4	3,5	0,15	0,25	10	gelb	500	9025970000
H1,0/14S R	1	AWG 17	14,00	8	1,4	3,5	0,15	0,25	10	rot	500	9018560000
H1,0/16 DS R	1	AWG 17	16,00	10	1,4	3,5	0,15	0,3	12	rot	500	2092480000
H1,5/12S R	1,5	AWG 16	12,00	6	1,7	4	0,15	0,25	8	rot	500	9025690000
H1,5/14S R	1,5	AWG 16	14,00	8	1,7	4	0,15	0,25	10	rot	500	9025980000
H1,5/14DS SW	1,5	AWG 16	14,00	8	1,7	4	0,15	0,25	10	schwarz	500	9025240000
H1,5/16 DS SW	1,5	AWG 16	16,00	10	1,7	4	0,15	0,25	12	schwarz	500	2092490000
H2,5/12DS BL	2,5	AWG 14	12,00	6	2,2	4,2	0,15	0,25	8	blau	500	9028490000
H2,5/12TS GR	2,5	AWG 14	12,00	6	2,2	4,2	0,15	0,25	8	grau	500	9036200000
H2,5/14DS BL	2,5	AWG 14	14,00	8	2,2	4	0,15	0,25	10	blau	500	1333100000
H2,5/14TS GR	2,5	AWG 14	14,00	8	2,2	4	0,15	0,25	10	grau	500	9426770000
H2,5/16DS BL	2,5	AWG 14	16,00	10	2,2	4,2	0,15	0,25	13	blau	500	9036220000
H4,0/20DS GR	4	AWG 12	20,00	12	2,9	4,7	0,2	0,5	15	grau	500	9203630000
H10,0/22S EB	10	AWG 8	22,00	12	4,6	7,1	0,2	0,6	15	elfenbein	100	9203620000
H10,0/28S SW	10	AWG 8	27,50	18	4,6	7,4	0,2	0,3	21	schwarz	100	1462590000
H35,0/30 DS RT	35	AWG 2	30,00	16	8,3	12,7	0,2	0,4	19	rot	50	1418020000
H35,0/30 S BE	35	AWG 2	30,00	16	8,3	12,7	0,2	0,4	19	beige	50	1418030000
H35,0/32 DS RT	35	AWG 2	32,00	18	8,3	12,7	0,2	0,4	21	rot	50	1418330000
H35,0/32 S BE	35	AWG 2	32,00	18	8,3	12,7	0,2	0,4	21	beige	50	1418340000

Special size

Multipack bag



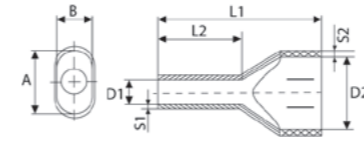
Type	Ø mm ²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0,75/14S W SV	0,75	AWG 18	14,00	8	1,2	3,4	0,15	0,25	10	weiß	500	9025700000
H1,0/14S GE SV	1	AWG 17	14,00	8	1,4	3,5	0,15	0,25	10	gelb	500	9025710000
H1,5/14DS SW SV	1,5	AWG 16	14,00	8	1,7	4	0,15	0,25	10	schwarz	500	9028360000
H1,5/14S R SV	1,5	AWG 16	14,00	8	1,7	4	0,15	0,25	10	rot	500	9025720000
H2,5/14S BL SV	2,5	AWG 14	14,00	8	2,2	4	0,15	0,25	10	blau	500	9046230000

Special size

Reel of linked wire-end ferrules



Type	Ø mm ²	AWG	L1	L2	D1	D2	S1	S2	Stripping length	Colour	Qty.	Order No.
H0,5/14DS W BD GSP	0,5	AWG 20	14,00	8	1	2,9	0,15	0,25	10	weiß	4000	2528590000
H0,5/16DS W BD GSP	0,5	AWG 20	16,00	10	1	2,9	0,15	0,25	12	weiß	4000	2604630000
H0,5/14S OR BD GSP	0,5	AWG 20	14,00	8	1	2,9	0,15	0,25	10	orange	4000	2528550000
H0,5/16S OR BD GSP	0,5	AWG 20	16,00	10	1	2,9	0,15	0,25	12	orange	4000	2604620000
H0,75/14DS GR BD GSP	0,75	AWG 18	14,00	8	1,2	3,4	0,15	0,25	10	grau	4000	2528600000
H0,75/16DS GR BD GSP	0,75	AWG 18	16,00	10	1,2	3,4	0,15	0,25	12	grau	4000	2604650000
H0,75/14S W BD GSP	0,75	AWG 18	14,00	8	1,2	3,4	0,15	0,25	10	weiß	4000	2528560000
H0,75/16S W BD GSP	0,75	AWG 18	16,00	10	1,2	3,4	0,15	0,25	12	weiß	4000	2604640000
H0,75/14TS HB BD GSP	0,75	AWG 18	14,00	8	1,2	3,4	0,15	0,25	10	hellblau	4000	2528630000
H0,75/16TS HBL BD GSP	0,75	AWG 18	16,00	10	1,2	3,4	0,15	0,25	12	hellblau	4000	2604660000
H1,0/14DS R BD GSP	1	AWG 18	14,00	8	1,4	3,5	0,15	0,25	10	rot	4000	2528610000
H1,0/16DS R BD GSP	1	AWG 18	16,00	10	1,4	3,5	0,15	0,25	12	rot	4000	2604690000
H1,0/14S GE BD GSP	1	AWG 18	14,00	8	1,4	3,5	0,15	0,25	10	gelb	4000	2528570000
H1,0/16S GE BD GSP	1	AWG 18	16,00	10	1,4	3,5	0,15	0,25	12	gelb	4000	2604680000
H1,5/14DS SW BD GSP	1,5	AWG 16	14,00	8	1,7	3,9	0,15	0,25	10	schwarz	4000	2528620000
H1,5/16DS SW BD GSP	1,5	AWG 16	16,00	10	1,7	3,9	0,15	0,25	12	schwarz	4000	2604710000
H1,5/14S R BD GSP	1,5	AWG 16	14,00	8	1,7	3,9	0,15	0,25	10	rot	4000	2528580000
H1,5/16S R BD GSP	1,5	AWG 16	16,00	10	1,7	3,9	0,15	0,25	12	rot	4000	2604700000



- Polypropylene insertion funnel
- Heat-resistant up to 105°C

For conductors of 2 x 10 mm² (2 x AWG 8)
Material E-Cu, electroplated with tin
Dimensional tolerance acc. to DIN 46228 Part 4

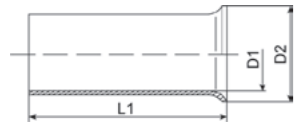
Twin wire-end ferrules, special size

Loosely packed



Type	Ø mm ²	AWG	L1	L2	D1	S1	S2	A	B	Stripping length	Colour	Qty.	Order No.
H10,0/24DS ZH R	10	AWG 8	24,00	12	6,5	0,2	0,5	13,4	7,6	17	rot	100	9018880000
H10,0/30DS ZH R	10	AWG 8	30,00	18	6,5	0,2	0,5	13,4	7,6	23	rot	100	9018890000
H10,0/24S ZH EB	10	AWG 8	24,00	12	6,5	0,2	0,5	13,4	7,6	17	elfenbein	100	9018860000
H10,0/30S ZH EB	10	AWG 8	30,00	18	6,5	0,2	0,5	13,4	7,6	23	elfenbein	100	9018870000

Wire-end ferrules without plastic collar in special sizes



For conductors from 0.25-150 mm² (AWG 24-300 MCM)
 Material E-Cu, electroplated with tin
 Dimensional tolerance acc. to DIN 46228 Part 1

Without plastic collar

bulk-packed



Type	Ø mm ²	AWG	L1	L2	D1	D2	Stripping length	Qty.	Order No.
H0,25/5	0,25	AWG 24	5,00	5	0,8	1,6	5	1000	9018910000
H0,25/7	0,25	AWG 24	7,00	7	0,75	1,7	7	1000	2919620000
H0,34/5	0,34	AWG 22	5,00	5	0,85	1,8	5	1000	1475640000
H0,34/7	0,34	AWG 22	7,00	7	0,85	1,8	7	1000	2919630000
H0,5/6	0,5	AWG 20	6,00	6	1	2,1	6	1000	0282600000
H0,5/7	0,5	AWG 20	7,00	7	1	2,1	7	1000	2919640000
H0,5/8	0,5	AWG 20	8,00	8	1	2,1	8	1000	2984690000
H0,5/10	0,5	AWG 20	10,00	10	1	2,1	10	1000	9004050000
H0,75/6	0,75	AWG 18	6,00	6	1,2	2,3	6	1000	0282700000
H0,75/10	0,75	AWG 18	10,00	10	1,2	2,3	10	1000	0542500000
H1,0/6	1	AWG 17	6,00	6	1,4	2,5	6	1000	0372600000
H1,0/8	1	AWG 18	8,00	8	1,4	2,5	8	1000	2874610000
H1,0/10	1	AWG 17	10,00	10	1,4	2,5	10	1000	0282800000
H1,0/12	1	AWG 18	12,00	12	1,4	2,5	12	1000	2874620000
H1,5/7	1,5	AWG 16	7,00	7	1,7	2,8	7	1000	0372700000
H1,5/10	1,5	AWG 16	10,00	10	1,7	2,8	10	1000	0186500000
H1,5/12	1,5	AWG 16	12,00	12	1,7	2,8	12	1000	9004060000
H1,5/18	1,5	AWG 16	18,00	18	1,7	2,8	18	1000	9004070000
H2,5/7	2,5	AWG 14	7,00	7	2,2	3,4	7	1000	0373000000
H2,5/10	2,5	AWG 14	10,00	10	2,2	3,4	10	1000	9004080000
H2,5/12	2,5	AWG 14	12,00	12	2,2	3,4	12	1000	0186100000
H2,5/18	2,5	AWG 14	18,00	18	2,2	3,4	18	1000	9004090000
H4,0/9	4	AWG 12	9,00	9	2,8	4	9	500	0373100000
H4,0/12	4	AWG 12	12,00	12	2,8	4	12	1000	0244100000
H4,0/15	4	AWG 12	15,00	15	2,8	4	15	500	9004100000
H4,0/18	4	AWG 12	18,00	18	2,8	4	18	500	9004110000
H6,0/10	6	AWG 10	10,00	10	3,5	4,7	10	500	9004120000
H6,0/12	6	AWG 10	12,00	12	3,5	4,7	12	500	0191900000
H6,0/15	6	AWG 10	15,00	15	3,5	4,7	15	500	0124700000
H6,0/18	6	AWG 10	18,00	18	3,5	4,7	18	500	9004130000
H10,0/12	10	AWG 8	12,00	12	4,5	5,8	12	500	0282900000
H10,0/15	10	AWG 8	15,00	15	4,5	5,8	15	500	0124800000
H10,0/18	10	AWG 8	18,00	18	4,5	5,8	18	500	0379300000
H16,0/12	16	AWG 6	12,00	12	5,8	7,5	12	500	0492500000
H16,0/15	16	AWG 6	15,00	15	5,8	7,5	15	500	0124300000
H16,0/18	16	AWG 6	18,00	18	5,8	7,5	18	100	0375200000
H16,0/25	16	AWG 6	25,00	25	5,8	7,5	25	100	9004150000
H16,0/32	16	AWG 6	32,00	32	5,8	7,5	32	100	9004160000
H25,0/15	25	AWG 3	15,00	15	7,3	9,5	15	250	0124400000
H25,0/18	25	AWG 3	18,00	18	7,3	9,5	18	100	0375300000
H25,0/25	25	AWG 3	25,00	25	7,3	9,5	25	250	9004170000
H25,0/32	25	AWG 3	32,00	32	7,3	9,5	32	100	9004180000
H35,0/18	35	AWG 2	18,00	18	8,3	11	18	100	0368900000
H35,0/25	35	AWG 2	25,00	25	8,3	11	25	100	9004190000
H35,0/30S	35	AWG 2	30,00	30	8,3	11	30	100	9451000000
H35,0/32	35	AWG 2	32,00	32	8,3	11	32	100	9004200000
H50,0/18	50	AWG 1	18,00	18	10,3	13	18	100	9004210000
H50,0/22S	50	AWG 1	22,00	22	10,3	13	22	100	9025880000
H50,0/32	50	AWG 1	32,00	32	10,3	13	32	100	9004220000
H70,0/25	70	AWG 2/0	25,00	25	12,5	15	25	50	9004230000
H70,0/32	70	AWG 2/0	32,00	32	12,5	15	32	50	9004240000
H95,0/25	95	AWG 3/0	25,00	25	14,5	17	25	50	9004250000
H95,0/32	95	AWG 3/0	32,00	32	14,5	17	32	50	9004260000
H120,0/32	120	AWG 4/0	32,00	32	16,5	19	32	25	9036240000
H150,0/32	150	AWG 300 MCM	32,00	32	18,5	21	32	25	9036250000
H185,0/32	185	AWG 350 MCM	32,00	32	20	23,5	32	25	9036260000

The products H70,0/25, H70,0/32, H95,0/25, H95,0/32, H120,0/32 and H150,0/32 are not UL tested



Further information can be found on our website: www.weidmueller.com/wire-end-ferrules

The right tool for every connection

Benefit from our crimping expertise

PZ 6 Roto

0,14...6 mm²



- For wire-end ferrules with and without plastic collar according to DIN 46228 Part 1 and Part 4 (dimensions and tolerances)
- Ratchet for precise crimping
- Ergonomic handle design
- Minimal hand force required
- Only one crimp insert for the whole cross-section range
- ~AWG 26...14

PZ 10 HEX

0,25...10 mm²



- For wire-end ferrules with and without plastic collar according to DIN 46228 Part 1 and Part 4 (dimensions and tolerances)
- Ratchet for precise crimping
- Ergonomic handle design
- Minimal hand force required
- Only one die for the whole cross-section range of 0.25 ... 10 mm²
- Side wire-end ferrule insertion with hexagon crimp shape
- ~AWG 24 ... 8

PZ 6/5

0,25...6 mm²



- For wire-end ferrules with and without plastic collar according to DIN 46228 Part 1 and Part 4 (dimensions and tolerances)
- Crimp shape complies with EN 60947-1
- Approval according to VG 95211 (military designation VG 95 236 T 14 B 002)
- Ratchet for precise crimping
- Ergonomic handle design
- Minimal hand force required
- Five crimping stations corresponding to the conductor cross-sections
- ~AWG 24...10

PZ 50

25...50 mm²



- For wire-end ferrules with and without plastic collar according to DIN 46228 Part 1 and Part 4 (dimensions and tolerances)
- Crimp complies with European standard EN 60947-1
- Approval according to VG 95211 (military designation VG 95 236 T 14 B 002)
- Ratchet for precise crimping
- Ergonomic handle design
- Minimal hand force required
- Three crimping stations corresponding to the conductor cross-sections
- ~AWG 4...0

PZ 6 Roto L

0,14...6 mm²



- For wire-end ferrules with and without plastic collar according to DIN 46228 Part 1 and Part 4 (dimensions and tolerances)
- Ratchet for precise crimping
- Ergonomic handle design
- Minimal hand force required
- Only one crimp insert for the whole cross-section range
- Rotating crimp insert allows for wire-end ferrules to be inserted from the side or front
- Lockable die
- ~AWG 26...10

PZ 10 SQR

0,14 ... 10 mm²



- For wire-end ferrules with and without plastic collar according to DIN 46228 Part 1 and Part 4 (dimensions and tolerances)
- Ratchet for precise crimping
- Ergonomic handle design
- Minimal hand force required
- Only one die for the whole cross-section range of 0.14 ... 10 mm²
- Side wire-end ferrule insertion with square crimp shape
- ~AWG 26 ... 8

PZ 16

6...16 mm²



- For wire-end ferrules with and without plastic collar according to DIN 46228 Part 1 and Part 4 (dimensions and tolerances)
- Crimp shape complies with EN 60947-1
- Approval according to VG 95211 (military designation VG 95 236 T 14 B 002)
- Ratchet for precise crimping
- Ergonomic handle design
- Minimal hand force required
- Three crimping stations corresponding to the conductor cross-sections
- ~AWG 10...6

stripax® plus

0.5 ... 2.5 mm²



- For strips of linked wire-end ferrules according to DIN 46228 Part 1 and Part 4 (dimensions and tolerances)
- Ergonomic handle design
- Minimal hand force required
- Wire-end ferrule insertion from the side
- 3-in-1 Tool (cutting, stripping, crimping)
- ~ AWG 20...14

Durable and robust in daily use

Automatic stripping and crimping machines for wire end ferrules

CRIMPFIX ECO



- For wire-end ferrules from 0.5 mm² to 2.5 mm²
- Up to 80,000 crimping cycles per year
- Electric drive
- Cycle time < 1.5 seconds
- Crimping length: 8 mm

CRIMPFIX VARIO



- For wire-end ferrules from 0.5 mm² to 2.5 mm²
- Up to 400,000 crimping cycles per year
- Driven by 5 - 5.5 bar compressed air
- Cycle time < 2 seconds
- Crimping length: 8 and 10 mm

CRIMPFIX LZ



- For twin wire-end ferrules from 0.5 mm² to 1.5 mm²
- Up to 400,000 crimping cycles per year
- Driven by 5 - 5.5 bar compressed air
- Cycle time: 1.5 seconds
- Crimping length: 8 mm

ca 100 2.5 / CA 100 10



- For wire-end ferrules from 0.34 mm² to 4.0 mm² / 4.0 mm² to 16 mm²
- Up to 1,000,000 crimping cycles per year
- Driven by 5 - 5.5 bar compressed air
- Cycle time: 2.5 seconds
- Crimping length: 6, 8, 10, 12 mm / 10, 12, 18 mm

Cutfix Pro / Feeder / Feeder XL



- Cutting of wires up to 10 mm²
- Pro: 1x 0.08 - 10 mm²
- Feeder: 11x 0.5 - 2.5mm² (AWG20-14) + 1x 4-10mm² (AWG12-8)
- Feeder XL: 7x 0.5 - 2.5mm² (AWG20-14) + 3x 4-10mm² (AWG12-8)

CRIMPFIX L / LS



- For wire-end ferrules from 0.5 mm² to 2.5 mm²
- Up to 400,000 crimping cycles per year
- Driven by 5 - 5.5 bar compressed air
- Cycle time: 1.5 seconds
- Crimping length: 6, 8 and 10 mm

CA 100C



- For wire-end ferrules from 0.14 mm² to 0.34 mm²
- Up to 1,000,000 crimping cycles per year
- Driven by 5 - 5.5 bar compressed air
- Cycle time: 1.5 seconds
- Crimping length: 6 and 8 mm

CA 100 DUO



- For wire-end ferrules from 4.0 mm² to 10 mm²
- Up to 1,000,000 crimping cycles per year
- Driven by 5 - 5.5 bar compressed air
- Cycle time: 2.5 - 3 seconds
- Crimping length: 8, 10, 12, 18 mm

POWERCRIMPER 6.0



- For wire-end ferrules 0.5 mm² to 6.0 mm²
- For Twin ferrules 0.5 mm² to 2.5 mm²
- Up to 400,000 crimping cycles per year
- Driven by 5 - 5.5 bar compressed air
- Cycle time: 1.0 seconds
- Crimping length: 6 - 18 mm

POWERSTRIPPER 6 / 16



- Stripping and partial stripping of conductors
- PS 6.0 stripping range from 0.05 to 6.0 mm² (AWG 30 - 10)
- PS 16.0 stripping range from 2.5 to 16.0 mm² (AWG 14 - 6)

Weidmüller Service

A reliable partner even after your purchase

Weidmüller offers a wide range of services relating to our manual tools, automatic machines and printers.

When it comes to crimping tools, it is essential that the quality of the crimped connection is checked on a regular basis in order to avoid expensive failures during operation later down the line.

Weidmüller contacts and the corresponding tools are perfectly matched. However, the conductor to be crimped represents an unknown variable in the crimped connection due to the different construction types and fluctuating actual cross-sections. Weidmüller tools and contacts can compensate for most fluctuations in the conductor. However, crimped connections with exotic conductors in particular should be carefully checked at the beginning.

Weidmüller supports you with a range of certification services:



Certification when reordering	Prior to delivery, we arrange for your new tool to be certified by production-independent bodies and additional tests. Afterwards we guarantee the quality of our tool with a letter and seal.
Recertification	Has your tool been in use for a long time and you want to make sure that it still meets all standards? Send it to our Service department and we will test it thoroughly.
Process monitoring	Do you want to secure your process without having to send in your tools on a regular basis for recertification? Not a problem. All you have to do is crimp sample conductors and send these to us. We then check the crimping quality for you.

Different standards require different extraction forces. A short overview of the most important standards can be found here:

mm ²	0.25	0.34	0.5	0.75	1	1.5	2.5	4	6	10	16	25	35
AWG	24	22	20	18	-	16	14	12	10	8	6	4	2
DIN 60999-1													
DIN 60947-1	10 N	15 N	20 N	30 N	35 N	40 N	50 N	60 N	80 N	90 N	100 N	135 N	190 N
DIN 46228-1/4													
UL 486 F *	20 N	20 N	20 N	30 N	35 N	40 N	50 N	60 N	80 N	90 N	100 N	135 N	190 N
DIN 60352-2	28 N	40 N	60 N	85 N	108 N	150 N	230 N	310 N	360 N	380 N			

*UL 486 F ranges from AWG 26 to 700 MCM (0.14 to 300 mm²). Cross-sections above AWG 1 (50 mm²) are less relevant and therefore not shown.

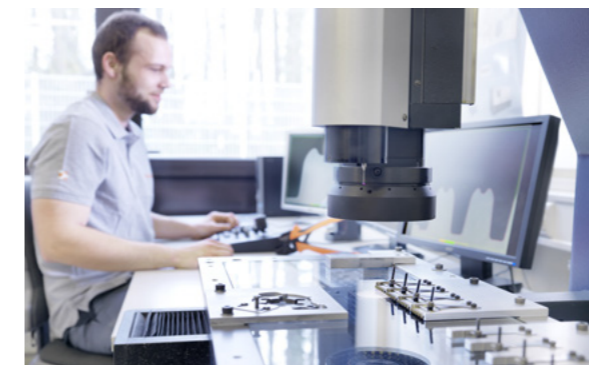
On the right track with Weidmüller

A German family business with the highest quality standards



As a German family business, our claim is to offer the highest quality, constant innovation and total reliability.

State-of-the-art production methods, specialist expertise and a passion for our products have laid the foundation for us to produce professional, high-quality tools and marking systems that are „made in Germany“ for more than 40 years.



100% premium quality

- Premium products „Made in Germany“ for over 40 years.
- Certifications and approvals always up-to-date and according to all relevant standards.
- Perfect combination of tools and products from a single source.

Our goal

Products are usually only as good as the tool with which they are machined. This is why at Weidmüller, everything fits together. From terminal block assembly to the installation of sensitive electronic components – we have the right tool for all applications.

In this way, we would like to help you to make your work easier while increasing your profitability.



Workplace Solutions

Diversity for your workshop

Wire end ferrules, contacts

- Guaranteed process reliability in conjunction with Weidmüller tools and automatic machines.
- Fulfilment of all international standards.
- High extraction forces set quality standards.
- Quality „Made in Germany“ for various Nominal conductor cross-sections.

www.weidmueller.com/wire-end-ferrules



Cable lugs

- Provides a wide range of applications and reduces the complexity of individual processes.
- Fulfils all criteria of the relevant international standards such as DIN and UL.
- The system sets new standards on the market in terms of safety.
- Quality „Made in Germany“ for different Conductor cross-sections.

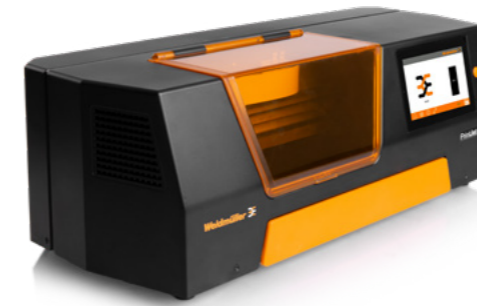
www.weidmueller.com/cable-lugs



Printjet MINI

- Small, lightweight, and handy – perfect for mobile use
- Automatic slide-out system for effortless MultiCard insertion
- Processes full and half MultiCards, as well as individual markers
- Execute projects on the go thanks to USB stick and temporary memory
- Robust technology for daily use with minimal effort

www.weidmueller.com/PJMINI



Tool chest

- Valuable time savings through standardisation of workstations.
- Highest quality through intelligently combined equipment.
- Quick location of missing tools.
- Additional help with identification through labelling with MultiCard markers and QR codes.

www.weidmueller.com/tool-chest



Automatic machines

- Fast and efficient automatic stripping and crimping.
- Compact dimensions and robust design.
- Particularly long service life due to high-quality metal components.
- Consistent performance with different insulation materials.

www.weidmueller.com/automatic-machines



Wire Processing Center

- The WPC combines proven components into a modular assembly system.
- Multiple input options for CAE data.
- Optimum integration into production processes.
- Reliable supply of ferrules and markers.
- Optimum process reliability.

www.weidmueller.com/wpc



PrintJet CONNECT

- Perfectly centred prints without manual adjustment.
- Long-lasting and robust markers thanks to thermal fusing.
- Long service life due to extremely robust print head.
- Simple function monitoring on the device.
- High degree of automation thanks to magazine capacity for 50 MultiCards.
- Prints in full color – even on Stainless steel and aluminum

www.weidmueller.com/printjetconnect



Professional tools, printing solutions, markers and accessories can be found in our online catalogue:
www.weidmueller.com/workplace-accessories

Weidmüller – Your partner in Smart Industrial Connectivity

As experienced experts, we support our customers and partners throughout the world with products, solutions and services in the industrial environment of energy, signals and data. We are at home in their industries and markets and understand tomorrow's technological challenges. We are therefore continuously developing innovative, sustainable and value-added solutions for their individual requirements. Together, we set new standards in smart industrial connectivity.

We cannot exclude the possibility of errors in our printed material or in software that is provided to the customer for ordering purposes. We make every effort to correct such errors once we become aware of them.

Our general delivery conditions apply to all orders. These can be found on our Group company website where you place your order and we would also be happy to send them to you on request.

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
32758 Detmold, Germany
T +49 5231 14-0
F +49 5231 14-292083
www.weidmueller.com

Personal support can
be found on our website:
www.weidmueller.com/contact

Made in Germany
10/2025/TCWM