GLW
CRIMPING TECHNOLOGY

FERRULES

MADE IN GERMANY



glw.de

DEAR CUSTOMERS,



With this brochure, we would like to give you a comprehensive overview of our range of ferrules. It shows the diversity and quality of our products, which are essential for safe and reliable cable processing.

The more than 350 types of ferrules in our range are the result of precise development work, the highest quality standards and close communication with you, our customers. Since 1986 your requirements and wishes have been at the centre of everything we do. Our products are Made in Germany and stand for efficiency, durability and sustainability.

At a time when reliability and flexibility are more important than ever, we offer solutions that keep pace with the requirements of modern electrical engineering.
Our ferrules ensure secure connections and optimum electrical contact.

We invite you to discover our product range and see our innovative strength for yourself.
Our team is always available to answer your questions and work with you to find the best solutions for your applications.

We thank you for your trust and look forward to moving forward with you into the future.

Yours sincerely from Kisslegg, Germany
The management and the entire GLW team



Florian Geier – Leonie Schelling – Felix Weiland



As a medium-sized family business, we at GLW attach great importance to independence. In order to be able to guarantee independence and planning security in the long term, particular attention is paid to vertical integration, organic growth and the expansion of expertise. We are deeply connected to the region and recognise our social responsibility.



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OUR HISTORY

Since 1986 we can look back on a few milestones...

1986

GLW foundation
The company GLW OHG is founded by Klaus Geier, Herbert Leonhardt and Bruno Weiland. The company develops a production line for insulated wire end ferrules and begin the production in a small garage.



1987

Start of the ferrules
Production of insulated ferrules starts after completion of the first line and the products are sold to domestic customers.



1989



GLW worldwide
GLW is renamed as a limited liability company (GmbH) and move to a new production hall in order to meet the growing demand and to be able to serve international markets.

1991



TWIN ferrule is invented
The invention of the TWIN ferrule makes it possible to accommodate two conductors in a single ferrule and this represents a safe electrical connection component.

1993

Automatic stripping and crimping
The market requires processing equipment for GLW wire end ferrules, which led to the development of devices.
The pneumatically operated AC manual pliers is developed first, followed by the MC 40 Stripping and Crimping Machine.



2010

40 employees
Within 24 years, the company is grown to 40 employees. Many of whom have been with GLW since the very beginning.

2014



Additional building
With an additional plant 2, GLW can further expand the Kisslegg site and create additional jobs in the region.

2018

Completion of plant 3
In the summer GLW complete the construction of the third plant in Kisslegg and move in. GLW have created more jobs and can further expand the production site.

2020

40,000 machines sold
With the various machines in the GLW product range for cutting, stripping and crimping, a total of 40,000 machines are sold worldwide.

2021

2nd generation of companies
With Leonie Schelling, Felix Weiland and Florian Geier taking over the management of the company, the family business is entering the next generation.



2023

GLW Asia + 100 employees
With the founding of GLW Asia, GLW create a local service hub for the Asian region. We also celebrate the recruitment of our 100th employee and complete successfully the ISO 9001 certification this year.

2026

We are celebrating our 40th anniversary
What began as a small start-up with three dedicated founders has developed over the decades into a successful second-generation family business. With a great deal of passion, a dash of courage and innovative spirit, an idea grew into a company that is now firmly established in the market.

PRODUCT RANGE



INSULATED

An insulated ferrule bundles stranded wires and protects them from damage. The plastic insulation facilitates processing and enables easy cross-section assignment. It ensures a secure, long-lasting electrical connection with minimal contact resistance.



TWIN

A twin ferrule connects two stranded wires in a common ferrule. It ensures a secure, compact connection, reduces contact resistance and facilitates connection to terminals. The plastic insulation enables easy handling and cross-section assignment.



UNINSULATED

An uninsulated ferrule securely holds stranded wires together and protects them from damage. Without plastic insulation, it enables space-saving installation and provides reliable electrical connections with minimal contact resistance.



STRIP FORM

Ferrules in tape form are optimised for automatic processing. They enable fast, efficient assembly and ensure a precise, secure connection. Ideal for high volumes in industrial production.



SORTIBOX

The Sortibox for ferrules offers a practical selection of different sizes in a clearly arranged box. It facilitates quick access and ensures efficient organisation during installations and repairs. Ideal for flexible use in workshops and assembly.

MADE IN GERMANY

CRIMPING TECHNOLOGY Made in Germany – quality you can rely on!

GLW stands for genuine workmanship. Since our foundation in 1986, we have consistently focused on the production and development of our products in Germany. For us, “Made in Germany” is not just a seal of quality, but a promise! We combine maximum precision and reliability, state-of-the-art technologies and the know-how of experienced specialists to supply you with products that meet the highest standards.

For us, quality assurance begins as early as the product development stage and continues through every stage of production. Thanks to our location in Germany, we can guarantee that our products are manufactured to the strictest quality standards and with sustainability and environmental protection in mind. Our customers around the world value this reliability and the high performance of our solutions.

For us, “Made in Germany” also means a commitment to continuous development. Innovation and technical progress are part of our DNA - this is the only way we can ensure that our products offer decisive added value not only today, but also in the future.

We are proud to be part of German industry and are deeply connected to the region. We are aware of our social responsibility and make our contribution to the international reputation of Germany as a quality location.

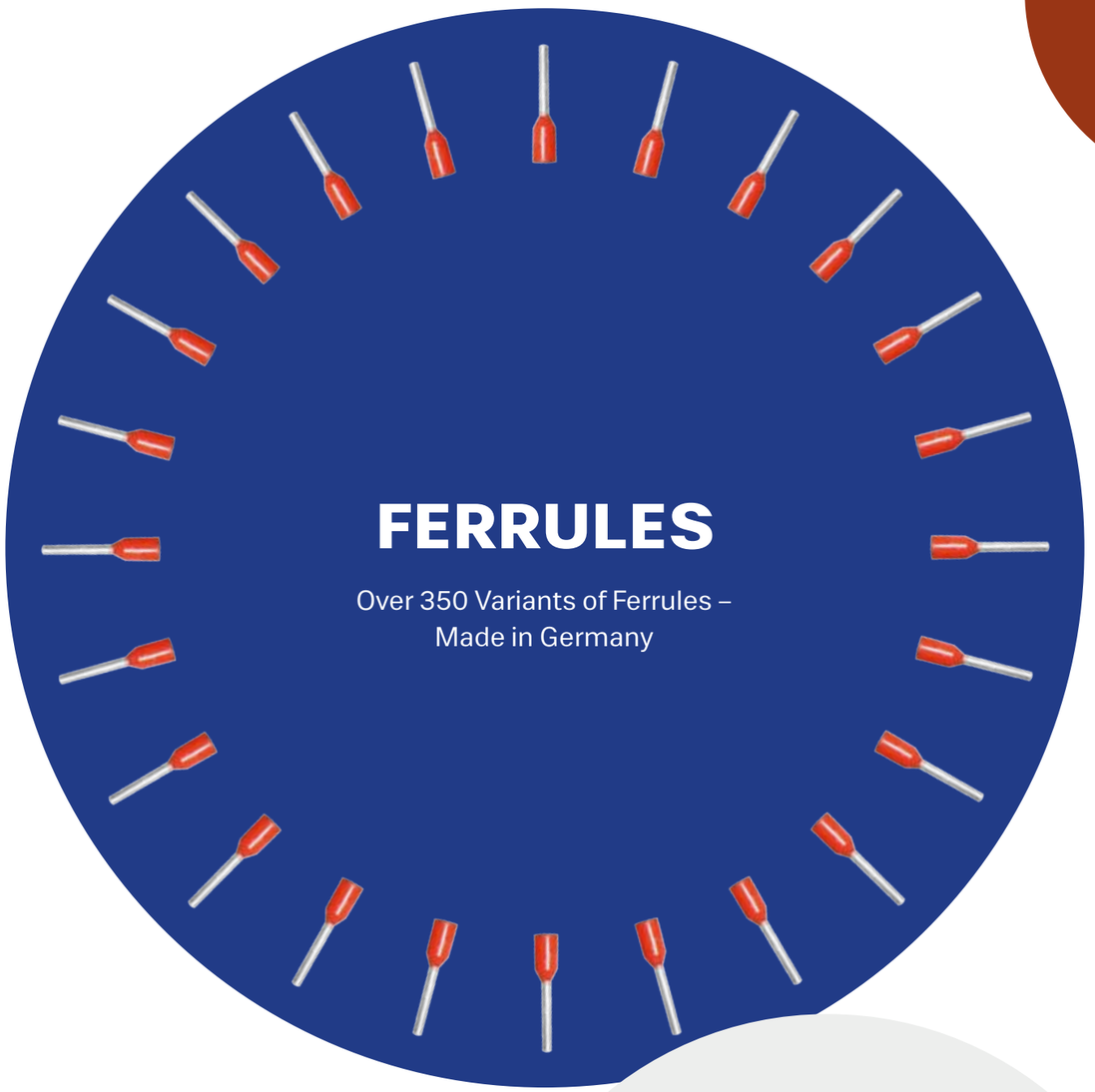




FROM HERE TO THE WORLD

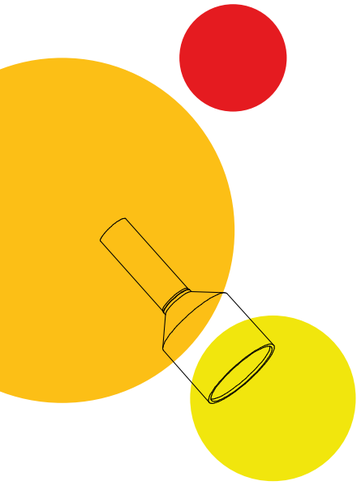
Products made by GLW mean quality and innovation combined.
Our products are sold in over 40 countries.

GLW – your partner for unlimited success!

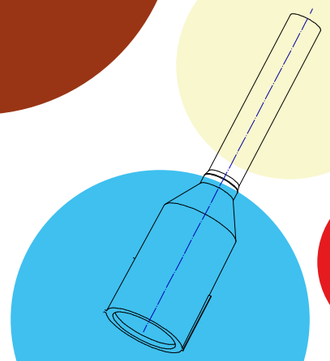


FERRULES

Over 350 Variants of Ferrules –
Made in Germany



Our ferrules
offer the perfect solution
for secure and durable electrical
connections. As indispensable compo-
nents in electrical engineering, they ensure
reliable contact and easy handling during wiring.
Our products are available in various sizes and
designs to meet the requirements of a wide range
of applications. Thanks to the highest quality
standards and certified production, our ferrules
guarantee optimal performance and safety
in every installation. Discover our wide
selection and find the right ferrules
for your projects.



UL CERTIFICATE

UL certification (Underwriters Laboratories) is a globally recognised safety certification mark for products. UL tests and certifies whether a product complies with certain safety standards, particularly in the fields of electronics, mechanical engineering and fire protection. The certification shows that a product has undergone rigorous testing and is safe for its intended use. It is particularly widespread in the USA and Canada, but is also recognised internationally.

GLW is proud that the majority of our wire end ferrules are UL-certified . This underlines our commitment to the highest quality and product Our customers can rest assured that our products are not only reliable, but also tested according to internationally recognised standards .
The official UL certificate can be viewed on our website and can be made available upon request.

UL CERTIFIED
SAFETY US·CA
E485383

9 QUESTIONS ABOUT OUR FERRULES

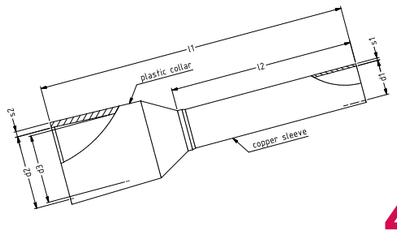
1 WHY ARE THERE DIFFERENT COLOR SERIES?

There are three different color systems for ferrules: the French system from Telemecanique, the German system from Weidmüller, and the DIN standard 46228-4 certified system. The latter is the most widespread. Using the color code table, the appropriate ferrule can be precisely selected for the corresponding conductor cross-section.

2 IS CUSTOM PRODUCTION POSSIBLE?

We also offer custom products for our customers. If you cannot find a suitable ferrule, please don't hesitate to contact us.

3 HOW DO YOU SELECT THE RIGHT FERRULE FOR A CONDUCTOR?



The geometry of a ferrule and the right conductor
The inner contour of the collar of a ferrule is conical, i.e. it tapers towards the copper tube, allowing the conductor to be inserted smoothly. This minimizes interfering edges and ensures that the ferrule sits firmly on the insulation of the conductor until crimping, which facilitates the processing procedure.
The specified inner diameter of the collar (d2) refers to the uppermost edge of the ferrule. To ensure that no strands protrude from the collar when laying the pre-assembled cable, we recommend a conductor whose outer diameter corresponds approximately to the inner diameter of the collar at 2/3 of the collar length (d3). This ensures that the conductor is fully embedded in the sleeve. (Not to be used for XL ferrules).

4 WHY IS A FERRULE NECESSARY?

Flexible conductors with stranded wires can splice after stripping, making it difficult to insert the conductor into a terminal. ferrules help to gather the strands together and hold them in position. Subsequent crimping permanently connects the applied ferrules to the strands. This protects the stranded wire and makes it much easier to insert the conductor into a terminal.

5 WHERE CAN I USE FERRULES?

Ferrules are mainly used in electrical engineering to protect the ends of stranded conductors and ensure a safe, durable connection in screw or spring terminals. Typical application areas include control cabinets and distribution systems, electrical installations in buildings, as well as machine and plant engineering.
Ferrules prevent the strands from fraying and ensure a stable connection, particularly in applications subject to mechanical stresses such as vibrations.

6 WHAT ARE THE BENEFITS OF USING A FERRULE?

Wiring provides a secure and fast installation process that ensures a safe connection even after multiple rewiring operations. By using automatic tools, you can save time and costs while achieving increased and long-term operational and contact security. Our products feature consistently low contact resistance and allow for easy cross-section identification. They also offer enhanced vibration resistance and protect individual strands, especially when using screw terminals.

7 WHAT TYPES OF FERRULES ARE THERE?

➔ Uninsulated ferrules serve to protect the ends of stranded wires.
➔ Insulated ferrules protect individual wires from damage by the terminal and prevent the strands from fraying.
➔ GB ferrules are particularly suitable for AWG wires due to the enlarged diameter of the insulating collar.
➔ XL ferrules feature a greatly expanded plastic collar and are designed for short-circuit and earth-fault-proof cables as well as PV cables.
➔ TWIN ferrules connect two wire ends with the same diameter into a stable end.

8 WHAT MATERIAL ARE OUR FERRULES MADE OF?

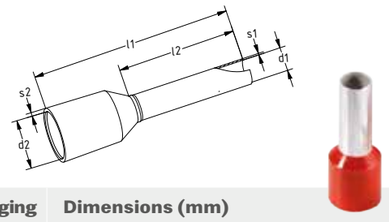
High-purity copper is required for ferrules to ensure optimal conductivity. The ferrules are made of high-purity copper and are tin-plated. ferrules are available with and without plastic collars. The form-fit moulded plastic collar is made of highly heat-stabilized UL-registered polypropylene. Typically, ferrules are tinned, but they can also be gold-plated or silver-plated.

9 ARE OUR FERRULES UL CERTIFIED?

Many of our ferrules have UL certification. This certification, according to the testing procedure of the global organization Underwriters Laboratories, tests the combination of cable, ferrules, and the processing tool used, such as a machine or pliers. The ferrule only receives this quality certification if all safety standards are met.

FERRULES

DIN 46228-4
INSULATED
MINI BAG

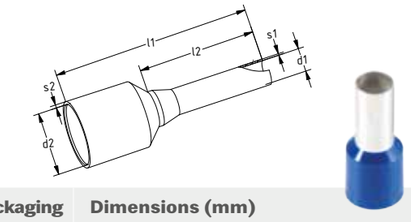


									Packaging	Dimensions (mm)							
mm²	Length	AWG	Part No.	Code DIN	Part No.	Code T	Part No.	Code W	Quantity	l1	Tol. ±	l2	Tol. ±	d1	s1	d2	s2
0,14	6	26	005549	GY	005547	BN	005549	GY	10 x 100	10	0,5	6*	0,2	0,8	0,15	1,9	0,3
	8		005553		005551		005553			12		8*					
0,25	6	24	005557	YE	005555	VT	005561	BU	10 x 100	10	0,5	6*	0,2	0,8	0,15	1,9	0,3
	8		005569		005567		005571			12		8*					
	10		005565							14		10*					
	12						005573			16		12*					
0,34	6	22	005577	TQ	005575	PK	005577	TQ	10 x 100	10	0,5	6*	0,2	0,8	0,15	1,9	0,3
	8		005589		005587		005589			12		8*					
	10		005585				005585			14		10*					
	12		005593				005593			16		12*					
0,5	6	20	005595	WH	005595	WH	005599	OG	10 x 100	12	0,7	6	0,2	1,07	0,15	2,4	0,3
	8		005606		005606		005616			14		8					
	10		005625		005625		005631			16		10					
	12		005635		005635		007744			18		12*					
0,75	6	18	005639	GY	005637	BU	005642	WH	10 x 100	12	0,7	6	0,2	1,3	0,15	2,7	0,3
	8		005655		005644		005667			14		8					
	10		005683		005677		005689			16		10					
	12		005699		005695		005705			18		12	0,3				
1	6	18	005709	RD	005709	RD	005711	YE	10 x 100	12	0,7	6	0,2	1,5	0,15	2,9	0,3
	8		005715		005715		005725			14		8					
	10		005736		005736		005742			16		10					
	12		005746		005746		006409			18		12	0,3				
1,5	6	16	005756	BK	005756	BK	005758	RD	10 x 100	12	0,7	6*	0,2	1,73	0,15	3,3	0,3
	8		005762		005762		005774			14		8					
	10		005789		005789		005797			16		10					
	12		005783		005783		005787			18		12					
	18		005801		005801		005804			24		18	0,3				
2,08	8	14	005806	YE	005806	YE	005806	YE	10 x 100	14	0,7	8*	0,2	2,05	0,15	3,5	0,3
	10		010115		010115		010115			16		10					
	12		010117		010117		010117			18		12					
2,5	8	14	005818	BU	005808	GY	005818	BU	10 x 100	15	0,7	8	0,2	2,3	0,15	4,1	0,3
	10		005833		005829		005833			17		10					
	12		005841		005835		005841			19		12					
	18		005848		005846		005848			25		18	0,3				
4	10		005854	GY	005851	OG	005854	GY	10 x 100	17	0,7	10	0,2	2,9	0,2	4,7	0,3
	12		005861		005859		005861			19		12					
	18		005867		005863		005867			26		18	0,3				
6	12	10	005875	YE	005871	GN	005880	BK	10 x 100	20	0,7	12	0,3	3,6	0,2	6,1	0,3
	18		005888		005884		005892			26		18					
10	12	8	005900	RD	005896	BN	005905	IV	10 x 100	21	1	12	0,3	4,6	0,2	7,4	0,3
	18		005911		005909		005913			27		18					
16	12	6	005923	BU	005917	WH	005930	GN	5 x 100	23	1	12	0,3	6	0,2	8,6	0,4
	18		005942		005938		005946			29		18					
25	16	4	005952	YE	005950	BK	005954	BN	5 x 50	29	1	16	0,4	7,5	0,2	10,9	0,5
	18		005958		005956		005960			31		18					
	22		005964		005962		005966			35		22					
35	16	2	005968	RD	005968	RD	005970	BE	5 x 50	30	1	16	0,4	8,5	0,2	12,3	0,5
	18		005972		005972		005974			32		18					
	25		005976		005976		005978			39		25					
50	21	1/0	005980	BU	005980	BU	005982	OL	2 x 50	36	1	21	0,4	10,5	0,3	14,8	0,6
	25		005984		005984		005986			41		25					
70	20	2/0	005988	YE	005988	YE	005988	YE	25	37	1	20*	0,4	12,7	0,4	15,8	0,6
	27		005989		005989		005989			44		27*					
95	25	3/0	005990	RD	005990	RD	005990	RD	25	44	1	25*	0,5	14,7	0,4	17,7	0,6
120	27	250 MCM	005915	BU	005915	BU	005915	BU	25	48	1	27*	0,5	16,7	0,5	20,7	0,7
150	32	300 MCM	005916	YE	005916	YE	005916	YE	25	58	1	32*	0,5	18,7	0,5	22,6	1

Material: Copper / Polypropylene Surface: Tin plated Max. Temp.: 105°C Cu-Pipe Hardness: : <105 HV Cu-tensile strength: >Rm 250 N/mm² *Not conform to DIN 46228-4 Certificate: UL (E485383)

GB-FERRULES

Plastic collar suitable for conductors with thicker insulation
(AWG conductors)
MINI BAG



									Packaging	Dimensions (mm)							
mm²	Length	AWG	Part No.	Code DIN	Part No.	Code T	Part No.	Code W	Quantity	l1	Tol. ±	l2	Tol. ±	d1	s1	d2	s2
0,5	8	20	005609	WH	005609	WH	005619	OG	10 x 100	14,5	0,7	8	0,2	1,07	0,15	2,9	0,3
	10		005627		005627		007125			16,5		10					
	12		005609				014743			18,5		12		1,1			
0,75	8	18	005658	GY	005647	BU	005670	WH	10 x 100	14	0,7	8	0,2	1,3	0,15	3,3	0,3
	10		005685		005679		005691			16		10					
	12		005701		007116		007118			18		12					
1	8	18	005718	RD	005718	RD	005728	YE	10 x 100	14	0,7	8	0,2	1,5	0,15	3,3	0,3
	10		005738		005738		007121			16		10					
	12		005748		005748		005752			18		12					
1,5	6	16	007127	BK	007127	BK	007129	RD	10 x 100	12	0,7	6	0,2	1,73	0,15	3,7	0,3
	8		005765		005765		005777			14		8					
	10		005791		005791		007133			16		10					
2,5	8	14	005821	BU	005811	GY	005821	BU	10 x 100	16,2	0,7	8	0,2	2,3	0,15	4,7	0,3
	10		007136		005831		007136			18		10					
	12		007139		005837		007139			20,2		12					
4	10	12	007739	GY			007739	GY	5 x 100	23	0,7	12	0,2	6	0,2	6,0	0,3
	12		007741				007741			29		18					
6	12	10	010269	YE					5 x 100	20	0,7	12	0,2	3,6	0,2	6,2	0,4
16	12	6	005925	BU	005919	WH	005932	GN	5 x 100	23	1	12	0,4	6	0,2	9,4	0,5
	18		005944		005940		005948			29		18					

MINI BAG

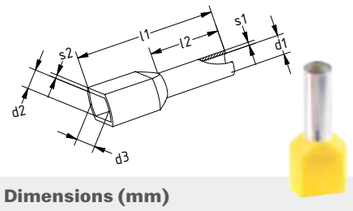
Mini bag packaging for ferrules offers a clean and compact solution for storing and removing smaller quantities. It protects the ferrules from dirt and moisture and makes it easier to carry them around on the construction site or in the workshop. Our mini bags are produced in units of 5 or 10 and are ideal for flexible and clear use in everyday work.



Material: Copper / Polypropylene Surface: Tin plated Max. Temp.: 105°C Cu-Pipe Hardness: : <105 HV Cu-tensile strength: >Rm 250 N/mm² Certificate: UL (E485383)

TWIN-FERRULES

MINI BAG



									Packaging	Dimensions (mm)								
mm²	Length	AWG	Part No.	Code DIN	Part No.	Code T	Part No.	Code W	Quantity	l1	Tol. ±	l2	Tol. ±	d1	s1	d2	d3	s2
2x0,5	6	2x20	005597	WH	005597	WH	005601	OG	10 x 100	13	0,4	6	0,2	1,5	0,15	2,4	4,6	0,3
	8		005613		005613		005623			15		8						
	10		005629		005629		005633			17		10						
2x0,75	6	2x18	005641	GY					10 x 100	13	0,4	6	0,2	1,73	0,15	2,6		0,3
	8		005663		005653	BU	005675	WH		15		8				2,7	5,4	
	10		005687		005681		005693			17		10						
	12		005703		005697		005707			19		12						
2 x 1	8	2x18	005722	RD	005722	RD	005732	YE	10 x 100	15	0,4	8	0,2	2,05	0,15	3,3	5,3	0,3
	10		005740		005740		005744			17		10						
	12		005750		005750		005754			19		12						
	14		005734		005734					21		14		3,3				
2 x 1,5	8	2x16	005770	BK	005770	BK	005781	RD	10 x 100	16	0,4	8	0,2	2,3	0,15	3,5	6,5	0,3
	10		005785		005785					18		10						
	12		005794		005794		005799			20		12						
2 x 2,5	10	2x14	005825	BU	005816	GY	005825	BU	10 x 100	18,5	0,6	10	0,3	2,9	0,2	4,1	7,7	0,35
	13		005843		005839		005843			21,5		13						
2 x 4	12	2x12	005856	GY	005853	OG	005856	GY	5 x 100	23	0,6	12	0,3	3,8	0,2	4,9	8,7	0,3
	18		005869		005865		005869			29		18						
2 x 6	14	2x10	005877	YE	005873	GN	005882	BK	5 x 100	25	1	14	0,3	4,9	0,2	6,1	9,9	0,4
	18		005890		005886		005894			29		18						
2 x 10	14	2 x 8	005902	RD	005898	BN	005907	IV	5 x 100	26	1	14	0,4	6,5	0,2	7,1	12,9	0,4
2 x 16	16	2 x 6	005927	BU	005921	WH	005934	GN	5 x 50	31	1	16	0,4	8,5	0,2	9,8	16,8	0,6

SINGLE BAG

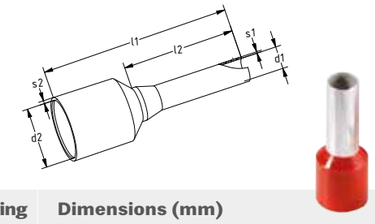
The Single Bag for ferrules is designed for larger quantities in compact packaging. Compared to the Mini Bag, which is designed for smaller quantities, the Single Bag offers more content while remaining lightweight and space-saving. Ideal for anyone who wants to work efficiently – the Single Bag reduces work steps and simplifies handling.



Material: Copper / Polypropylene Surface: Tin plated Max. Temp.: 105°C Cu-Pipe Hardness: : <105 HV Cu-tensile strength:: >Rm 250 N/mm² Certificate: UL (E485383)

FERRULES

DIN 46228-4
INSULATED
SINGLE BAG

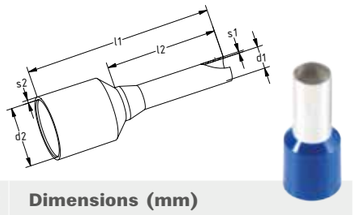


									Packaging	Dimensions (mm)								
mm²	Length	AWG	Part No.	Code DIN	Part No.	Code T	Part No.	Code W	Quantity	l1	Tol. ±	l2	Tol. ±	d1	s1	d2	s2	
0,14	6	26	005550	GY	005548	BN	005550	GY	500	10	0,5	6*	0,2	0,8	0,15	1,9	0,3	
	8		005554		005552		005554			12		8*						
0,25	6	24	005558	YE	005556	VT	005562	BU	500	10	0,5	6*	0,2	0,8	0,15	1,9	0,3	
	8		005570		005568		005572			12		8*						
	10		005566							14,5		10*						
	12						005574			16		12*						
0,34	6	22	005578	TQ	005576	PK	005578	TQ	500	10	0,5	6*	0,2	0,8	0,15	1,9	0,3	
	8		005590		005588		005590			12		8*						
	10		005586				005586			14,5		10*						
	12		005594				005594			16		12*						
0,5	6	20	005596	WH	005596	WH	005600	OG	500	12	0,7	6	0,2	1,07	0,15	2,4	0,3	
	8		005607		005607		005617			14		8						
	10		005626		005626		005632			16		10						
	12		005636		005636					18		12*						
0,75	6	18	005640	GY	005638	BU	005643	WH	500	12	0,7	6	0,2	1,3	0,15	2,7	0,3	
	8		005656		005645		005668			14		8						
	10		005684		005678		005690			16		10						
	12		005700		005696		005706			18		12	0,3					
1	6	18	005710	RD	005710	RD	005712	YE	500	12	0,7	6	0,2	1,5	0,15	2,9	0,3	
	8		005716		005716		005726			14		8						
	10		005737		005737		005743			16		10						
	12		005747		005747		006410			18		12	0,3					
1,5	6	16	005757	BK	005757	BK	005759	RD	500	12	0,7	6*	0,2	1,73	0,15	3,3	0,3	
	8		005763		005763		005775			14		8						
	10		005790		005790		005798			16		10						
	12		005784		005784		005788			18		12						
	18		005802		005802		005805			24		18	0,3					
2,08	8	14	005806	YE	005806	YE	005806	YE	500	14	0,7	8*	0,2	2,05	0,15	3,5	0,3	
	10		010116		010116		010116			16		10						
	12		010118		010118		010118			18		12						
2,5	8	14	005819	BU	005809	GY	005819	BU	500	15	0,7	8		2,3	0,15	4,1	0,3	
	10		005834		005830		005834			17		10						
	12		005842		005836		005842			19		12						
	18		005849		005847		005849			25		18	0,3					
4	10		005855	GY	005852	OG	005855	GY	500	17	0,7	10	0,2	2,9	0,2	4,7	0,3	
	12		005862		005860		005862		100	19		12						
	18		005868		005864		005868			26		18	0,3					
6	12	10	005876	YE	005872	GN	005881	BK	100	20	0,7	12	0,3	3,6	0,2	6,1	0,3	
	18		005889		005885		005893			26		18						
10	12	8	005901	RD	005897	BN	005906	IV	100	21	1	12	0,3	4,6	0,2	7,4	0,3	
	18		005912		005910		005914			27		18						
16	12	6	005924	BU	005918	WH	005931	GN	100	23	1	12	0,3	6	0,2	8,6	0,4	
	18		005943		005939		005947			29		18						
25	16	4	005953	YE	005951	BK	005955	BN	50	29	1	16	0,4	7,5	0,2	10,9	0,5	
	18		005959		005957		005961			31		18						
	22		005965		005963		005967			35		22						
35	16	2	005969	RD	005969	RD	005971	BE	50	30	1	16	0,4	8,5	0,2	12,3	0,5	
	18		005973		005973		005975			32		18						
	25		005977		005977		005979			39		25						
50	21	1/0	005981	BU	005981	BU	005983	OL	50	36	1	20	0,4	10,5	0,3	14,8	0,6	
	25		005985		005985		005987		25	41		25						
70	21	2/0	005988	YE	005988	YE	005988	YE	25	37	1	20*	0,4	12,7	0,4	15,8	0,6	
	27		005989		005989		005989			44		27*						
95	25	3/0	005990	RD	005990	RD	005990	RD	25	44	1	25*	0,5	14,7	0,4	17,7	0,6	
120	27	250 MCM	005915	BU	005915	BU	005915	BU	25	48	1	27*	0,5	16,7	0,5	20,7	0,7	
150	32	300 MCM	005916	YE	005916	YE	005916	YE	25	58	1	32*	0,5	18,7	0,5	22,6	1	

Material: Copper / Polypropylene Surface: Tin plated Max. Temp.: 105°C Cu-Pipe Hardness: : <105 HV Cu-tensile strengtht: >Rm 250 N/mm² *Not conform to DIN 46228-4 Certificate: UL (E485383)

GB-FERRULES

Plastic collar suitable for conductors with thicker insulation (AWG conductors)
SINGLE BAG

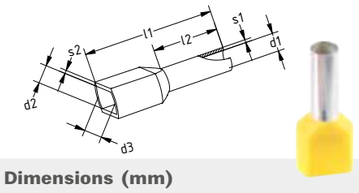


									Packaging	Dimensions (mm)							
mm²	Length	AWG	Part No.	Code DIN	Part No.	Code T	Part No.	Code W	Quantity	l1	Tol. ±	l2	Tol. ±	d1	s1	d2	s2
0,5	8	20	005610	WH	005610	WH	005620	OG	500	14,5	0,7	8	0,2	1,07	0,15	2,9	0,3
	10		005628		005628		007126			16,5		10					
	12		008914		008914		007746										
0,75	8	18	005659	GY	005648	BU	005671	WH	500	14	0,7	8	0,2	1,3	0,15	3,3	0,3
	10		005686		005680		005692			16		10					
	12		005702		007117		007119			18		12					
1	8	18	005719	RD	005719	RD	005729	YE	500	14	0,7	8	0,2	1,5	0,15	3,3	0,3
	10		005739		005739		007122			16		10					
	12		005749		005749		005753			18		12					
1,5	6	16	007128	BK	007128	BK	007130	RD	500	12	0,7	6	0,2	1,73	0,15	3,7	0,3
	8		005766		005766		005778			14		8					
	10		005792		005792		007134			16		10					
2,5	8	14	005822	BU	005812	GY	005822	BU	500	16,2	0,7	8	0,2	2,3	0,15	4,7	0,3
	10		007137		005832		007137			18		10					
	12		007140		005838		007140			20,2		12					
4	10	12	007740	GY			007740	GY	100	23	0,7	12	0,2	6	0,2	9,4	0,3
	12		007742				007742			29		18					
6	12	10	010270	YE					100	20	0,7	12	0,2	3,6	0,2	6,1	0,4
16	12	6	005926	BU	005920	WH	005933	GN	100	23	1	12	0,4	6	0,2	9,4	0,5
	18		005945		005941		005949			29		18					

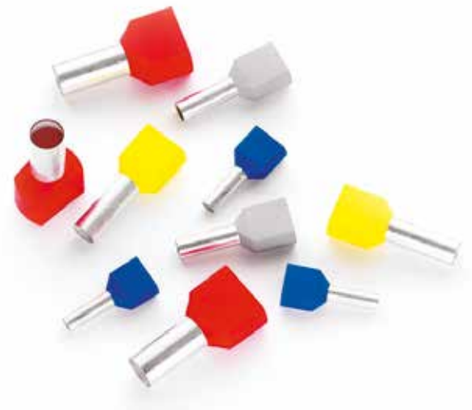
Material: Copper / Polypropylene Surface: Tin plated Max. Temp.: 105°C Cu-Pipe Hardness: : <105 HV Cu-tensile strength: >Rm 250 N/mm² Certificate: UL (E485383)

TWIN-FERRULES

SINGLE BAG



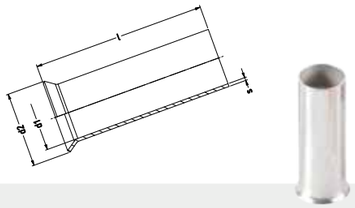
									Packaging	Dimensions (mm)									
mm²	Length	AWG	Part No.	Code DIN	Part No.	Code T	Part No.	Code W	Quantity	l1	Tol. ±	l2	Tol. ±	d1	s1	d2	d3	s2
2x0,5	6	2x20	005598	WH	005598	WH	005602	OG	500	13	0,4	6	0,2	1,5	0,15	2,4	4,6	0,3
	8		005614		005614		005624			15		8						
	10		005630		005630		005634			17		10						
2x0,75	6	2x18	006421	GY					500	13	0,4	6	0,2	1,8	0,15	2,7	5,4	0,3
	8		005664		005654	BU	005676	WH		15		8						
	10		005688		005682		005694			17		10						
	12		005704		005698		005708			19		12						
2 x 1	8	2x18	005723	RD	005723	RD	005733	YE	500	15	0,4	8	0,2	2,05	0,15	3,3	5,3	0,3
	10		005741		005741		005745			17		10						
	12		005751		005751		005755			19		12						
	14		005735							21		14						
2 x 1,5	8	2x16	005771	BK	005771	BK	005782	RD	500	16	0,4	8	0,2	2,3	0,15	3,5	6,5	0,3
	10		005786		005786					18		10						
	12		005795		005795		005800			20		12						
2 x 2,5	10	2x14	005826	BU	005817	GY	005826	BU	250	18,5	0,6	10	0,3	2,9	0,2	4,1	7,7	0,35
	13		005844		005840		005844			21,5		13						
2 x 4	12	2x12	005857	GY	006449	OG	005857	GY	100	23	0,6	12	0,3	3,8	0,2	4,9	8,7	0,3
	18		005870		005866		005870			29		18						
2 x 6	14	2x10	005878	YE	005874	GN	005883	BK	100	25	1	14	0,3	4,9	0,2	6,1	9,9	0,4
	18		005891		005887		005895			29		18						
2 x 10	14	2 x 8	005903	RD	005899	BN	005908	IV	100	26	1	14	0,4	6,5	0,2	7,1	12,9	0,4
2 x 16	16	2 x 6	005928	BU	005922	WH	005935	GN	50	31	1	16	0,4	8,5	0,2	9,8	16,8	0,6



Material: Copper / Polypropylene Surface: Tin plated Max. Temp.: 105°C Cu-Pipe Hardness: : <105 HV Cu-tensile strengtht: >Rm 250 N/mm² Certificate: UL (E485383)

FERRULES

DIN 46228-1
UNINSULATED

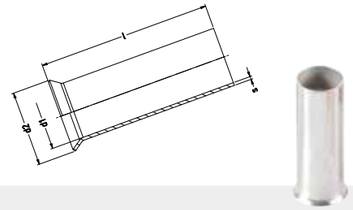


				Packaging								
mm²	AWG	Length	Part No.	Quantity	L	Tol.	d1	Tol.	d2	Tol.	s	Tol.
0,25	24	5	006825	1000	5*	0,4	0,8	0,14/0	1,7	0/-0,2	0,15	0,05
		7	006000		7*							
0,34	22	5	006002	1000	5*	0,4	0,9	0,14/0	1,8	0/-0,2	0,15	0,05
		7	006004		7*							
0,5	20	6	006006	1000	6	0,4	1	0,14/0	2,1	0/-0,2	0,15	0,05
		8	006008		8*							
		10	006010		10							
0,75	18	6	006012	1000	6	0,4	1,2	0,14/0	2,3	0/-0,2	0,15	0,05
		8	006014		8*							
		10	006015		10							
		12	006016		12*							
1	18	6	006017	1000	6	0,4	1,4	0,14/0	2,5	0/-0,2	0,15	0,05
		7	006019		7							
		8	006020		8*							
		10	006022		10							
		12	006024		12*							
		15	006026		15							
1,5	16	7	006027	1000	7	0,4	1,7	+0,25/0	2,8	0/-0,2	0,15	0,05
		8	006030		8							
		10	006031		10							
		12	006033		12							
		15	006035		15*							
		18	006036		18							
		20	006038		20*							
2,08	16	10	006039	1000	10	0,7	1,97	0,2	2,9	0/-0,2	0,15	0,05
2,5	14	7	006040	1000	7	0,4	2,2	0,2	3,4	0/-0,2	0,15	0,05
		8	006042		8							
		10	006043		10							
		12	006045		12							
		15	006047		15*							
		18	006048		18							
		20	006049		20*							
4	12	9	006050	1000	9	0,4	2,8	0,2	4	0/-0,2	0,2	0,05
		10	006052		10							
		12	006053		12							
		15	006055		15							
		18	006056		18							
		20	006058		20*							
6	10	10	006059	1000	10	±0,4	3,5	+0,3/0	4,7	0/-0,2	0,2	0,05
		12	006060		12							
		15	006062		15							
		18	006063		18							
		20	006065		20*							
		25	006066		25							
10	8	10	007595	500	10	±0,4	4,5	+0,3/0	5,8	0/-0,2	0,2	0,05
		12	006068		12							
		15	006070		15							
		18	006071		18							
		20	006073		20*							
		25	006074		25*							
		32	009858		32							

Material: Copper / Polypropylene Surface: Tin plated Max. Temp.: 105°C Cu-Pipe Hardness: : <105 HV Cu-tensile strength: >Rm 250 N/mm² Certificate: UL E485383

FERRULES

DIN 46228-1
UNINSULATED



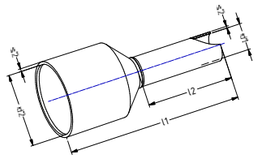
				Packaging								
mm²	AWG	Length	Part No.	Quantity	L	Tol.	d1	Tol.	d2	Tol.	s	Tol.
16	6	12	006079	250	12	±0,4	5,8	+0,3/0	7,5	0/-0,2	0,2	0,05
		15	006080		15							
		18	006081		18							
		20	006083		20*	±0,6						
		25	006084		25							
		32	006085		32							
25	4	18	006092	100	18	±0,6	7,3	+0,4/0	9,5	0/-0,5	0,2	±0,07
		20	006093		20							
		25	006094		25							
		32	006095		32							
		40	006369		40							
35	2	18	006098	100	18	±0,4	8,3	+0,4/0	11	0/-0,5	0,2	±0,07
		20	006099		20*							
		25	006100		25	±0,6						
		32	006101		32							
		40	006370		40							
50	1/0	18	006102	100	18	±0,4	10,3	+0,4/0	13	0/-0,5	0,3	±0,07
		22	006103		22*							
		25	006104		25	±0,6						
		32	006105		32							
		40	006371		40							
70	2/0	25	006107	100	25*	±0,7	12,5	+0,5/0	15	0/-0,7	0,4	±0,08
		32	006108		32*							
		40	006372		40							
95	3/0	25	006109	50	25*	±0,7	14,5	+0,5/0	17	0/-0,7	0,4	±0,08
		30	006110		30*							
		32	006111		32*							
120	250 MCM	32	006075	50	32*	±0,8	16,5	+0,5/0	19	0/-0,7	0,5	±0,08
		40	006076		40*							
150	300 MCM	32	006077	50	32*	±0,8	18,5	+0,5/0	21	0/-0,7	0,5	±0,08
		38	006078		38*							
185	350 MCM	32	006086	25	32*	±0,8	20	+0,5/0	23,5	0/-0,7	0,6	±0,08
		40	006087		40*							
240	500 MCM	40	006088	25	40*	±0,8	22,8	+0,5/0	25,8	0/-0,7	0,6	±0,08



Material: Copper / Polypropylene Surface: Tin plated Max. Temp.: 105°C Cu-Pipe Hardness: : <105 HV Cu-tensile strength: >Rm 250 N/mm² Certificate: UL E485383

XL-FERRULES

for Short-Circuit-Proof Conductores

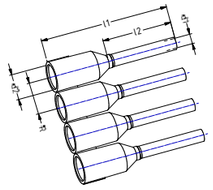




					Packaging	Dimensions (mm)							
mm²	Length	AWG	Part No.	Color	Quantity	l1	Tol. ±	l2	Tol. ±	d1	s1	d2	s2
1,5	8	16	005773	BK	100	18	0,4	8	0,2	1,73	0,15	6,9	0,3
	10		005796			20		10					
2,5	8	14	005828	BU	100	17	0,4	8	0,2	2,3	0,15	7,8	0,3
	12		005845			21		12					
4	10	12	005858	GY	100	19	0,4	10	0,2	2,9	0,2	7,8	0,3
6	12	10	005879	YE	100	23	0,7	12	0,3	3,6	0,2	8,1	0,3
10	12	8	005904	RD	100	24	1	12	0,3	4,6	0,2	9,8	0,3
	18		001397			30		18		4,6	0,2	9,8	0,3
			009510	IV									
16	12	6	005929	BU	100	25	1	12	0,4	6	0,2	12	0,3

FERRULES

DIN 46228-4
STRIP FORM
K-type reel



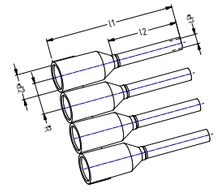


									Packaging	Dimensions (mm)				
mm²	Length	AWG	Part No.	Code DIN	Part No.	Code T	Part No.	Code W	Quantity	l1	l2	d1	d2	R
0,25	8	24	005559	YE			005563	BU	1000	14,5	8	0,8	2,1	2,9
0,34	8	22	005579	TQ			005579	TQ	1000	14,5	8	0,8	2,1	2,9
0,5	8	20	005611	WH	005611	WH	005621	OG	1000	14,5	8	1,07	2,6	3,5
	10		014347		014347		014346			16,5	10		10	
	12		015117		015117		015118			18,5	12		12	
0,75	8	18	005660	GY	005649	BU	005672	WH	1000	14,5	8	1,3	2,7	3,6
	10		014349		014348		014336			16,5	10			
	12		015119		015120		015121			18,5	12			
1	8	18	005720	RD	005720	RD	005730	YE	1000	14,5	8	1,5	3	3,9
	10		014351		014351		014352			16,5	10			
	12		015122		015122		015123			18,5	12			
1,5	8	16	005767	BK	005767	BK	005779	RD	1000	14,5	8	1,8	3,2	4,2
	10		014353		014353		014354			16,5	10			
	12		015126		015126		015124			18,5	12			
2,5	8	14	005823	BU	005813	GY	005823	BU	500	14,5	8	2,3	4,1	5
	10		014356		014355		014356			16,5	10			
	12		015127		015128		015127			18,5	12			

Material: Copper / Polypropylene Surface: Tin plated Max. Temp.: 105°C Cu-Pipe Hardness: : <105 HV Cu-tensile strengtht: >Rm 250 N/mm² Certificate: UL E485383

FERRULES

DIN 46228-4
STRIP FORM
B-type reel

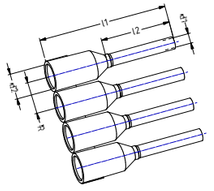




									Packaging	Dimensions (mm)				
mm²	Length	AWG	Part No.	Code DIN	Part No.	Code T	Part No.	Code W	Quantity	l1	l2	d1	d2	R
0,25	8	24	008268	YE			008271	BU	5 x 3000	14,5	8	0,8	2,1	2,9
0,34	8	22	008272	TQ			008272	TQ	5 x 3000	14,5	8	0,8	2,1	2,9
0,5	8	20	005608	WH	005608	WH	005618	OG	5 x 3000	14,5	8	1,07	2,6	3,5
	10		010906		010906		010907			16,5	10			
	12		014526		014526		015112			18,5	12			
0,75	8	18	005657	GY	005646	BU	005669	WH	5 x 3000	14,5	8	1,3	2,7	3,6
	10		010912		010914		010915			16,5	10			
	12		014527		015111		014532			18,5	12			
1	8	18	005717	RD	005717	RD	005727	YE	5 x 3000	14,5	8	1,5	3	3,9
	10		010846		010846		010854			16,5	10			
	12		014528		014528		015113			18,5	12			
1,5	8	16	005764	BK	005764	BK	005776	RD	5 x 2500	14,5	8	1,73	3,2	4,2
	10		010845		010845		010853			16,5	10			
	12		014529		014529		015115			18,5	12			
2,5	8	14	005820	BU	005810	GY	005820	BU	5 x 1500	14,5	8	2,3	4,1	5
	10		010917		010916		010917			16,5	10			
	12		014531		015116		014531			18,5	12			

FERRULES

DIN 46228-4
STRIP FORM
Strips





									Packaging	Dimensions (mm)				
mm²	Length	AWG	Part No.	Code DIN	Part No.	Code T	Part No.	Code W	Quantity	l1	l2	d1	d2	R
0,25	8	24	005560	YE			005564	BU	10 x 50	14,5	8	0,8	2,1	2,9
0,34	8	22	005581	TQ			005581	TQ	10 x 50	14,5	8	0,8	2,1	2,9
0,5	8	20	005612	WH	005612	WH	005622	OG	10 x 50	14,5	8	1,07	2,6	3,5
0,75	8	18	005662	GY	005651	BU	005673	WH	10 x 50	14,5	8	1,3	2,7	3,6
1	8	18	005721	RD	005721	RD	005731	YE	10 x 50	14,5	8	1,5	3	3,9
1,5	8	16	005768	BK	005768	BK	005780	RD	10 x 50	14,5	8	1,73	3,2	4,2
2,5	8	14	005824	BU	005815	GY	005824	BU	10 x 50	14,5	8	2,3	4,1	5

Material: Copper / Polypropylene Surface: Tin plated Max. Temp.: 105°C Cu-Pipe Hardness: : <105 HV Cu-tensile strengtht: >Rm 250 N/mm² Certificate: UL E485383

SORTIBOX

Ferrules Assortments		Contents		Colour code	Part No.
		Quantity	mm²-mm		
	Assortment box 1	30	0,25 - 6 0,34 - 6 0,5 - 8 0,75 - 8 1 - 8	DIN T W	006289 006288 006290
	Assortment box 2	50 100 50	0,5 - 8 0,75 - 8 1 - 8 1,5 - 8 2,5 - 8	DIN T W	006276 006275 006277
	Assortment box 3	50 20 10	4 - 10 6 - 12 10 - 12 16 - 12	DIN T W	006283 006282 006284
	Assortment box 4	50	2 x 0,5 - 8 2 x 0,75 - 8 2 x 1 - 8 2 x 1,5 - 8	DIN T W	006297 006296 006298
	Assortment box 5	50	2 x 0,75 - 8 2 x 1 - 8 2 x 1,5 - 8 2 x 2,5 - 10	DIN T W	006300 006299 006301
	Assortment box 6	30 20 10	2 x 1,5 - 8 2 x 2,5 - 10 2 x 4 - 12 2 x 6 - 14	DIN T W	006303 006302 006304
	Assortment box 7	500 400 400 300 200	0,5 - 6 0,75 - 6 1 - 6 1,5 - 7 2,5 - 7		006285
	Assortment box 8	150 100 80 40	4 - 9 6 - 10 10 - 12 16 - 12		006278
	Assortment box empty		5 Divisions		006279
	Assortment box empty		4 Divisions		006286

Packing unit: 10 pcs.
Dimensions (Ø x H): 92 x 40 mm

SLIDE BOXES

Ferrules Assortments		Contents		Colour code	Part No.
		Quantity	mm²-mm		
	Slidebox 1	50	0,25 - 6 0,34 - 6 0,5 - 8 0,75 - 8 1 - 8	DIN T W	006317 006315 006318
	Slidebox 2	50 100 100 100 50	0,5 - 8 0,75 - 8 1 - 8 1,5 - 8 2,5 - 8	DIN T W	006326 006321 006330
	Slidebox 3	50 20 10	4 - 10 6 - 12 10 - 12 16 - 12	DIN T W	006337 006333 006338
	Slidebox 4	50 50 50 50 25	2 x 0,5 - 8 2 x 0,75 - 8 2 x 1 - 8 2 x 1,5 - 8 2,5 - 10	DIN T W	006342 006339 006343
	Slidebox 5	20 10 10	2 x 4 - 12 2 x 6 - 14 2 x 10 - 14	DIN T W	006345 006344 006347
	Slidebox 6	100	0,5 - 6 0,75 - 6 1 - 6 1,5 - 7 2,5 - 7		006348
	Slidebox 7	100 50 50 40	4 - 9 6 - 10 10 - 12 16 - 12		006350

Packing unit: 10 pcs.
Dimensions (L x B x H): 165 x 58 x 38 mm

The slidable covers are handy and convenient.

CO_2footprint

A company's CO_2 emissions measure the total greenhouse gas emissions caused directly or indirectly by its activities. This includes emissions from energy consumption, transportation, production, but also business travel and the entire supply chain. A low carbon footprint is crucial to combating climate change and promoting sustainable business models.

We at GLW...

are therefore trying to significantly reduce our footprint and keep it as low as possible through energy efficiency, the use of renewable energies and environmentally friendly logistics strategies. In recent years, we have implemented many small but also some larger projects to make this possible step by step. A small practical example of this would be the use of warm air from our compressors and ventilation systems. With the help of modern recovery options, we utilize this heat and use it for our heating system. One of many steps in the right direction...



In-house photovoltaic system
Our in-house photovoltaic systems convert sunlight directly into electrical energy without generating greenhouse gases and thus produce clean electricity. This enables us to generate over 130 MWh and use it directly for our production. For us at GLW, this is an important part of our sustainability strategy and a future-proof solution for of energy generation, which strengthens our ecological profile as well as our economic stability.

100% green electricity
Sustainability is not just a goal for us, but a commitment. Since 2025, all of our electricity has therefore been converted to 100% green electricity. This means that we cover our entire electricity requirements sustainably from TÜV Nord-certified wind and solar power plants and are taking a further step towards climate protection. We can already produce 10% of our electricity consumption ourselves using our PV system. With this switch, we are strengthening our commitment to a sustainable future.

New machines for our environment
In today's world, reducing CO_2 emissions is not only a question of ecological responsibility, but also a decisive factor for the future of our economy and society. Modern machines play a central role in this endeavor and offer numerous opportunities to reduce emissions and increase efficiency at the same time.
For example, we have already replaced a large proportion of our injection molding machines with fully electric machines in order to help reduce CO_2 emissions. Another step towards creating a more sustainable future together.







Sustainable mobility strategy
Almost all of our GLW company vehicles are electric cars and are powered by our own green electricity, which further reduces their ecological footprint. Cycling is an even more environmentally friendly alternative, as it causes no emissions and also offers health benefits. That's why we proactively promote this point with a co-financed job bike and take part in regional events such as city cycling. The combination of both means of transportation can represent a sustainable mobility strategy. Since summer 2025, all of our electricity is converted to 100% green electricity. In doing so, we are taking another step towards climate protection and helping to improve the quality of life in urban areas.
At GLW, we want to continue to promote both electromobility and cycling and make sustainable transportation even more attractive.

Certified
The globally renowned rating company Ecovadis awarded GLW's sustainable commitment with committed status in 2024. The content is based on ISO 26000, the guidelines on social responsibility and various reporting standards. EcoVadis is an international assessment platform for determining sustainability along the entire supply chain with the aim of creating more transparency between business partners. We are delighted to have received this valuable award for the first time and will continue to develop in the direction of sustainability in the future. If you have any further questions about the report, please do not hesitate to contact us directly.



GLW GmbH
Steinbeisstraße 2
88353 Kisslegg
Germany

Telefon +49 7563 9123-0
E-Mail: info@glw.de
www.glw.de