



# WIRE END FERRULES

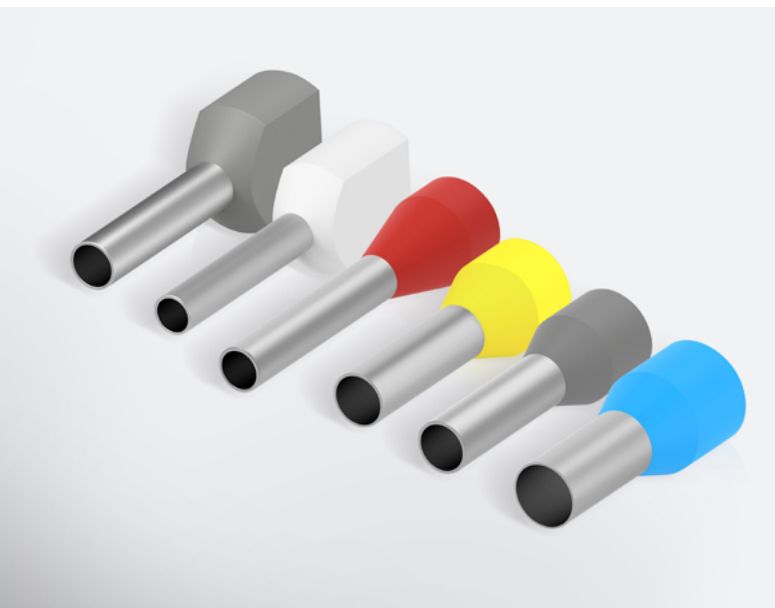
## CRIMP TECHNOLOGY

Insulated Single wire: from 0.14 mm<sup>2</sup> to 50 mm<sup>2</sup> - 26 to 1 AWG  
Insulated Double wire: from 0.50 mm<sup>2</sup> to 6 mm<sup>2</sup> - 20 to 6 AWG



# WIRE END FERRULES

Ferrules provide an easy, clean and reliable connection of flexible and stranded wires. They are adapted to screw, push-in and spring connections and used worldwide in many industrial or commercial applications where contact precision is key.



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PLASTIC SLEEVE COLOR CODING PER INDUSTRY STANDARDS FOR CIRCUIT IDENTIFICATION.

Benefit from TE Connectivity's (TE) track record and leadership using our precision tools for a gas-tight and secured connection.



## FEATURES AND BENEFITS

- **Facilitate wire insertion** into terminal clamps of terminal blocks or other control devices.
- **Clean and reliable wire termination** by providing a solid surface at the point of connection.
- **Recommended** for push-in and spring connection technologies.
- **Conductor protection** from breakage due to bending, stress or vibrations.
- **Multiple re-wiring allowed** without damaging the cable performances.
- **Funneled entry** for splice-free cable insertion.
- **Various pin length** to adapt to a wide variety of needs and product depth.
- **High level crimp performance** with TE tooling.
- **Ferrules** with plastic sleeve according to DIN 46228 Part 4.
- **Simple wire size identification** thanks to the large choice of industry standard plastic sleeve color coding.

# 105°C

Max operating  
Temperature

## MATERIAL

**Insulation:** Polypropylene

**Terminal Body:** E-Copper

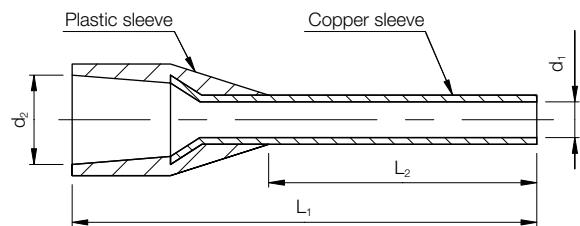
**Plating:** Tin (minimum coating thickness 3 µm)

## Product Application

- Panel Boxes
- Motors
- Switchgear
- Power Supplies
- Instruments/Controls
- Lighting
- Transportation
- Lifting equipment
- HVAC
- Repair, Service & Installation

## INSULATED SINGLE WIRE FERRULES

from 0.14 mm<sup>2</sup> to 50 mm<sup>2</sup> - 26 to 1 AWG

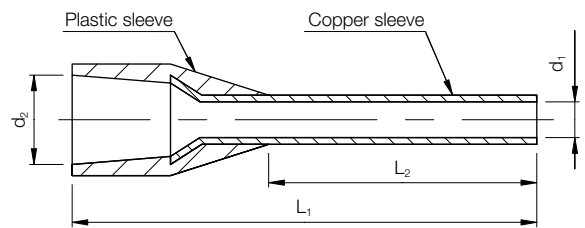


Wire size		Color	L1	L2	d1	d2	Part Number	Package	CSA	Side Entry Hand tool	Front Entry Hand tool		
mm <sup>2</sup>	AWG							Quantity					
0.14	26	Grey	10	6	0.70	1.60	966066-5	500	CSA	539660-1	6-1579014-5		
			12	8	0.70	1.60	1-966066-6	500	CSA				
		Brown	10	6	0.70	1.60	966292-1	500					
			12	8	0.70	1.60	966292-2	500					
		0.25	24	Light Blue	10	6	0.75	1.80	966066-1			500	CSA
					12	8	0.75	1.80	966066-2			500	CSA
0.34	22	Yellow	12	8	0.75	1.80	966292-4	500					
			Turquoise	10	6	0.80	2.00	966066-3	500	CSA			
12	8	0.80		2.00	966066-4	500	CSA						
10	6	0.80		2.00	966293-5	1000							
0.50	20	Orange	12	8	0.80	2.00	966293-6	1000					
			14	8	1.00	2.60	966066-7	500	CSA				
			14	8	1.00	2.80	1-966300-3 <sup>(1)</sup>	500					
		White	16	10	1.00	2.60	1-966066-8	500	CSA				
			12	6	1.00	2.60	966067-1	500	CSA				
			14	8	1.00	2.60	966067-2	500	CSA				
0.75	18	White	16	10	1.00	2.60	966067-3	500	CSA				
			16	10	1.00	2.60	966293-9	1000					
			12	6	1.20	2.80	1-966066-9	500	CSA				
			14	8	1.20	2.80	1-966300-5 <sup>(1)</sup>	500					
			14	8	1.20	2.80	966066-9	500	CSA				
			16	10	1.20	2.80	2-966066-0	500	CSA				
		Grey	12	6	1.20	2.80	966067-4	500	CSA				
			12	6	1.20	2.80	966288-4	1000					
			14	8	1.20	2.80	966067-5	500	CSA				
			16	10	1.20	2.80	966067-6	500	CSA				
			18	12	1.20	2.80	966067-7	500	CSA				
			Blue	12	6	1.20	2.80	1-966293-0	1000				
14	8	1.20		2.80	1-966293-1	1000							
16	10	1.20		2.80	1-966292-2	500							
18	12	1.20		2.80	1-966293-3	1000							
Light Blue	14	8		1.20	2.80	1-966300-4 <sup>(1)</sup>	500						
	1.00	17		Red	12	6	1.40	3.00	966067-8	500	CSA		
14			8		1.40	3.00	966067-9	500	CSA				
14			8		1.40	3.00	1-966293-5	1000					
16			10		1.40	3.00	1-966067-0	500	CSA				
16			10		1.40	3.00	1-966288-0	1000					
18			12		1.40	3.00	1-966067-1	500	CSA				
Yellow			18	12	1.40	3.00	1-966288-1	1000					
			18	12	1.40	3.00	1-966293-7	1000					
			12	6	1.40	3.00	2-966066-2	500	CSA				
			14	8	1.40	3.00	1-966300-6 <sup>(1)</sup>	500					
			14	8	1.40	3.00	1-966066-0	500	CSA				
			16	10	1.40	3.00	2-966066-3	500	CSA				
18	12	1.40	3.00	2-966066-4	500	CSA							

(1) Ferrules are delivered in 10 strips of 50 parts.

## INSULATED SINGLE WIRE FERRULES

from 0.14 mm<sup>2</sup> to 50 mm<sup>2</sup> - 26 to 1 AWG



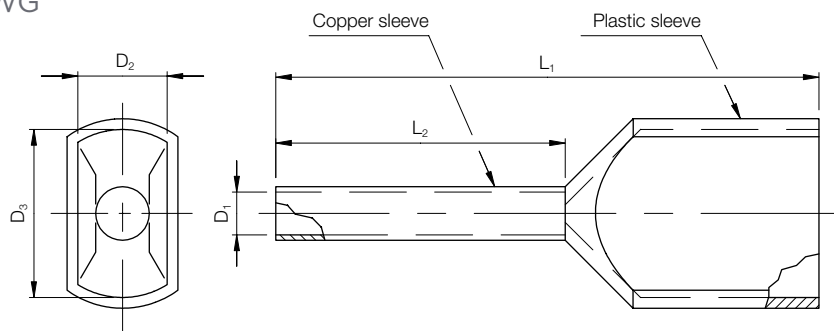
Wire size	Color	L1	L2	d1	d2	Part Number	Package	CSA	Side Entry Hand tool	Front Entry Hand tool	
mm <sup>2</sup>	AWG	Quantity									
1.50	Red	16	10	1.70	3.50	1-966066-1	500	CSA	539660-1	6-1579014-5	
		14	8	1.70	3.50	2-966066-5	500	CSA			
		14	8	1.70	3.50	1-966300-7 <sup>(1)</sup>	500				
		Black	14	8	1.70	3.50	1-966067-2	500			CSA
			14	8	1.70	3.50	1-966156-4	500			
			14	8	1.70	3.50	1-966293-8	1000			
	16		10	1.70	3.50	1-966067-3	500	CSA			
	16	10	1.70	3.50	1-966288-3	1000					
	18	12	1.70	3.50	1-966288-4	1000					
	18	12	1.70	3.50	1-966067-4	500	CSA				
	24	18	1.70	3.50	1-966288-5	1000					
	24	18	1.70	3.50	1-966067-5	500	CSA				
	24	18	1.70	3.50	2-966293-0	1000					
	2.50	Blue	14	8	2.20	4.20	1-966067-6	500			CSA
18			12	2.20	4.20	1-966067-7	500	CSA			
24			18	2.20	4.20	1-966067-8	500	CSA			
24			18	2.20	4.20	1-966288-8	1000				
Grey		14	8	2.20	4.20	1-966300-8 <sup>(1)</sup>	500				
		14	8	2.20	4.20	2-966292-1	500				
		14	8	2.20	4.20	2-966293-1	1000				
		18	12	2.20	4.20	2-966293-2	1000				
		24	18	2.20	4.20	2-966293-3	1000				
		26	18	2.80	4.80	3-966066-0	500	CSA			
4	Grey	17	10	2.80	4.80	1-966067-9	500	CSA	539660-1	6-1579014-5	
		20	12	2.80	4.80	2-966067-0	500	CSA			
		26	18	2.80	4.80	2-966067-1	100	CSA			
		26	18	2.80	4.80	2-966288-1	1000				
	Orange	17	10	2.80	4.80	2-966292-4	500				
		17	10	2.80	4.80	2-966293-4	1000				
		20	12	2.80	4.80	2-966292-5	500				
		20	12	2.80	4.80	2-966293-5	1000				
		26	18	2.80	4.80	2-966292-6	100				
		26	18	2.80	4.80	2-966293-6	1000				
6	Black	20	12	3.50	6.30	1-966066-5	100	CSA	539660-1	6-1579014-5	
		26	18	3.50	6.30	3-966066-3	100	CSA			
	Green	20	12	3.50	6.30	2-966292-7	100				
		26	18	3.50	6.30	2-966292-8	100				
	Yellow	20	12	3.50	6.30	2-966067-2	100	CSA			
		26	18	3.50	6.30	2-966067-3	100	CSA			
10	Red	22	12	4.50	7.60	2-966067-4	100	CSA	539660-1	6-1579014-5	
		28	18	4.50	7.60	2-966067-5	100	CSA			
	Brown	22	12	4.50	7.60	2-966292-9	100				
		28	18	4.50	7.60	3-966292-0	100				
16	Blue	24	12	5.80	8.80	2-966067-6	100	CSA	Tool from alternative manufacturer: Klauke K28 <sup>(2)</sup>		
		28	18	5.80	8.80	2-966067-7	100	CSA			
	Green	24	12	5.80	8.80	3-966066-6	100	CSA			
		24	12	5.80	8.80	3-966292-1	100				
	Ivory	28	18	5.80	8.80	3-966292-2	100				
25	Black	30	16	7.30	11.20	3-966292-3	50				
		36	22	7.30	11.20	3-966292-4	50				
35	Red	30	16	8.30	12.70	3-966292-5	50				
		39	25	8.30	12.70	3-966292-6	50				
50	Blue	36	20	10.30	15.00	3-966292-7	50				
		40	25	10.30	15.00	3-966292-8	50				

(1) Ferrules are delivered in 10 strips of 50 parts.

(2) This tool is not available at TE. Please contact your local distributor.

**Insulated Double Wire Ferrules**

from 0.50 mm<sup>2</sup> to 6 mm<sup>2</sup> - 20 to 6 AWG



Wire size		Color	L1	L2	D1	D2	D3	Part Number	Package	CSA	Side Entry Hand tool	Front Entry Hand tool
mm <sup>2</sup>	AWG								Quantity			
2x 0.50	2x20	Orange	15	8	1.40	2.50	4.70	1-966289-4	1000		539660-1	6-1579014-5
			15	8	1.40	2.50	4.70	1-966144-4	500	CSA		
		White	15	8	1.40	2.50	4.70	966144-1	500	CSA		
			15	8	1.40	2.50	4.70	966289-1	1000			
2x 0.75	2x18	Blue	15	8	1.70	2.80	5.00	1-966289-5	1000		539660-1	6-1579014-5
			17	10	1.70	2.80	5.00	1-966144-7	500	CSA		
			17	10	1.70	2.80	5.00	1-966289-7	1000			
		Grey	15	8	1.70	2.80	5.00	966144-2	500	CSA		
			15	8	1.70	2.80	5.00	966289-2	1000			
		White	17	10	1.70	2.80	5.00	966144-3	500	CSA		
			15	8	1.70	2.80	5.00	1-966289-6	1000			
			17	10	1.70	2.80	5.00	1-966144-8	500	CSA		
2x 1.0	2x17	Red	15	8	1.95	3.40	5.40	966144-4	500	CSA	539660-1	6-1579014-5
			17	10	1.95	3.40	5.40	966144-5	500	CSA		
		Yellow	15	8	1.95	3.40	5.40	1-966289-9	1000			
			15	8	1.95	3.40	5.40	1-966144-9	500	CSA		
			17	10	1.95	3.40	5.40	2-966144-0	500	CSA		
			17	10	1.95	3.40	5.40	2-966289-0	1000			
2x1.50	2x16	Black	16	8	2.20	3.60	6.60	966144-6	500	CSA	539660-1	6-1579014-5
			20	12	2.20	3.60	6.60	966144-7	500	CSA		
		Red	16	8	2.20	3.60	6.60	2-966144-1	500	CSA		
			20	12	2.20	3.60	6.60	2-966144-2	500	CSA		
2x2.50	2x14	Blue	18.5	10	2.80	4.20	7.80	966144-8	250	CSA	539660-1	6-1579014-5
			18.5	10	2.80	4.20	7.80	966289-8	1000			
			21.5	13	2.80	4.20	7.80	966144-9	250	CSA		
		Grey	21.5	13	2.80	4.20	7.80	966289-9	1000			
			18.5	10	2.80	4.20	7.80	2-966289-3	1000			
			21.5	13	2.80	4.20	7.80	2-966144-4	250	CSA		
2x4	2x12	Grey	23	12	3.70	4.90	8.80	1-966144-0	100	CSA	Tool from alternative manufacturer: Klauke K28 <sup>(1)</sup>	
		Orange	23	12	3.70	4.90	8.80	2-966144-5	100	CSA		
2x6	2x10	Green	26	14	4.80	6.90	10.00	2-966144-6	100	CSA		
		Yellow	26	14	4.80	6.90	10.00	1-966144-1	100	CSA		
2x10	2x8	Red	26	14	6.40	7.20	13.00	1-966144-2	100	CSA		
		Brown	26	14	6.40	7.20	13.00	2-966144-8	100	CSA		
2x16	2x6	Blue	30	14	8.20	9.60	18.40	1-966144-3	50	CSA		

(1) This tool is not available at TE. Please contact your local distributor.

## MANUAL HAND TOOLING

The tools below are compatible for all the ferrules mentioned in this brochure (with respect to their maximum wire capacity).

### Side entry tool

**Part Nbr.: 539660-1**



- For 0.08 up to 10 mm<sup>2</sup> wire crimping
- Square crimp profile with 4 serrated crimp surfaces
- Certified for UL <sup>(1)</sup> and CSA Applications.

### Front entry tool

**Part Nbr.: 6-1579014-5**



- For 0.08 up to 16 mm<sup>2</sup> wire crimping
- Pre-selection of crimping wire ranges by a change over switch
- Releasable ratchet
- Square crimp profile with 4 serrated crimp surfaces
- Certified for UL <sup>(1)</sup> and CSA applications.

(1) UL certification with wire end ferrules pending.

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### BROCHURE

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