



## Ferrules, Ferrule Kits & Tools

Insulated Ferrules 26AWG to 250MCM • Uninsulated Ferrules 24AWG to 500MCM • Twin Insulated Ferrules 22 to 6AWG • Round Dispenser Assortment Kits • Slide-box Assortment Kits • Plastic and Metal Case Assortment Kits • Crimping Tools


















# Uninsulated Ferrules

Material: 99.9% electrolytic copper, tin plated RoHS  
 Dimensions according to DIN 46228 p1 (except \*)

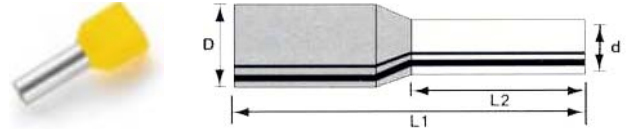


## Uninsulated Ferrules (Order by Part No.)

DIN	mm <sup>2</sup> °	AWG	Drawing	L2	d	D	Size	Part No.	Pack
*	0.25	24		5	0.8	1.7	N	000.255	500
*	0.25	24		7	0.8	1.7	L	000.257	500
	0.50	22		6	1	2.1	S	000.506	500
	0.50	22		8	1	2.1	N	000.508	500
	0.50	22		10	1	2.1	L	000.510	500
	0.75	20		6	1.2	2.3	S	007.506	500
	0.75	20		8	1.2	2.3	N	007.508	500
	0.75	20		10	1.2	2.3	L	007.510	500
	1.00	18		6	1.4	2.7	S	001.006	500
	1.00	18		10	1.4	2.7	N	001.010	500
	1.00	18		12	1.4	2.7	L	001.012	500
	1.50	16		7	1.7	2.8	S	001.507	500
	1.50	16		10	1.7	2.8	N	001.510	500
	1.50	16		12	1.7	2.8	L	001.512	500
	1.50	16		18	1.7	2.8	XL	001.518	500
	2.50	14		7	2.2	3.4	S	002.507	500
	2.50	14		10	2.2	3.4	N	002.510	500
	2.50	14		12	2.2	3.4	L	002.512	500
	2.50	14		18	2.2	3.4	XL	002.518	500
	4.00	12		9	2.8	4.0	S	004.009	500
	4.00	12		12	2.8	4.0	N	004.012	500
	4.00	12		18	2.8	4.0	L	004.018	500
	6.00	10		10	3.5	4.7	S	006.010	100
	6.00	10		12	3.5	4.7	N	006.012	100
	6.00	10		15	3.5	4.7	L	006.015	100
	6.00	10		18	3.5	4.7	XL	006.018	100
	10.00	8		12	4.5	5.8	S	010.012	100
	10.00	8		15	4.5	5.8	N	010.015	100
	10.00	8		18	4.5	5.8	L	010.018	100
	16.00	6		12	5.9	7.5	S	016.012	100
	16.00	6		15	5.9	7.5	N	016.015	100
	16.00	6		16	5.9	7.5	N	016.016	100
	16.00	6		18	5.9	7.5	L	016.018	100
	16.00	6		25	5.9	7.5	XL	016.025	100
	25.00	4		15	7.3	9.5	N	025.015	50
	25.00	4		18	7.3	9.5	L	025.018	50
	25.00	4		25	7.3	9.5	XL	025.025	50
	35.00	2		18	8.3	11.0	S	035.018	50
	35.00	2		25	8.3	11.0	N	035.025	50
	35.00	2		32	8.3	11.0	L	035.032	50
	50.00	1		18	10.3	13.0	N	050.018	50
	50.00	1		25	10.3	13.0	L	050.025	50
	50.00	1		32	10.3	13.0	XL	050.032	50
*	70.00	2/0		25	12.5	15.0	-	070.025	50
*	95.00	3/0		30	14.5	17.0	-	095.030	25
*	120.0	4/0		32	16.5	19.0	-	020.034	25
*	150.0	250MCM		32	21.0	24.0	-	050.038	50
*	185.0	350MCM		32	20.0	23.5	-	085.032	25
*	240.0	500MCM		40	22.8	25.8	-	040.040	25

















Information subject to change without notice - All dimensions in mm except where otherwise stated

# Single Insulated Ferrules



Material: 99.9% electrolytic copper, tin plated RoHS  
 Insulation: polypropylene or polyamide (Nylon). Available in 3 colour codes  
 Dimensions according to DIN 46228/1 (except \*)

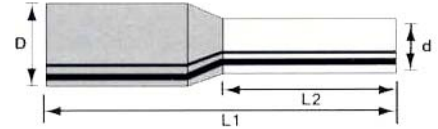
## Insulated Ferrules (Order by Part No.)

DIN	mm <sup>2</sup>	AWG	Drawing	L1	L2	d	D	Size	Part No.			Package
									DIN Colour Code	"W" Colour Code	"T" Colour Code	
*	0.14	26		10.5	6	0.8	2.0	N	-	900.146	-	500
*	0.25	24		10.5	6	0.8	2.0	N	100.256	900.256	800.256	500
*	0.25	24		12.5	8	0.8	2.0	L	100.258	900.258	800.258	500
*	0.34	23		10.5	6	0.8	2.0	N	100.306	900.306	800.306	500
*	0.34	23		12.5	8	0.8	2.0	L	-	900.308	-	500
	0.50	22		11.5	6	1.1	2.5	S	100.506	900.506	100.506	500
	0.50	22		13.5	8	1.1	2.5	N	100.508	900.508	100.508	500
	0.50	22		15.5	10	1.1	2.5	L	100.510	900.510	100.510	500
	0.75	20		12	6	1.3	2.8	S	107.506	907.506	807.506	500
	0.75	20		14	8	1.3	2.8	N	107.508	907.508	807.508	500
	0.75	20		16	10	1.3	2.8	L	107.510	907.510	807.510	500
	0.75	20		18	12	1.3	2.8	LL	107.512	907.512	807.512	500
	1.00	18		12.5	6	1.5	3.0	S	101.006	901.006	101.006	500
	1.00	18		14.5	8	1.5	3.0	N	101.008	901.008	101.008	500
	1.00	18		16.5	10	1.5	3.0	L	101.010	901.010	101.010	500
	1.00	18		18.5	12	1.5	3.0	LL	101.012	901.012	101.012	500
	1.50	16		14.5	8	1.8	3.4	N	101.508	901.508	101.508	500
	1.50	16		16	10	1.8	3.4	L	101.510	901.510	101.510	500
	1.50	16		18	12	1.8	3.4	LL	101.512	901.512	101.512	500
	1.50	16		24	18	1.8	3.4	XL	101.518	901.518	101.518	500
	2.50	14		15	8	2.3	4.2	N	102.508	102.508	802.508	500
	2.50	14		18	12	2.3	4.2	L	102.512	102.512	802.512	500
	2.50	14		24	18	2.3	4.2	LL	102.518	102.518	802.518	500
	4.00	12		17	10	2.8	5.4	N	104.009	104.009	804.009	100
	4.00	12		20	12	2.8	5.4	L	104.012	104.012	804.012	100
	4.00	12		25	18	2.8	5.4	LL	104.018	104.018	804.018	100
	6.00	10		20	12	3.6	6.2	N	106.012	906.012	806.012	100
	6.00	10		26	18	3.6	6.2	L	106.018	906.018	806.018	100
	10.00	8		21	12	4.6	7.5	N	110.012	910.012	810.012	100
	10.00	8		27	18	4.6	7.5	L	110.018	910.018	810.018	100
	16.00	6		23	12	5.6	8.8	N	116.012	916.012	816.012	100
	16.00	6		28	18	5.6	8.8	L	116.018	916.018	816.018	100
	25.00	4		30	16	7.8	12.0	N	125.016	925.016	825.016	50
	25.00	4		35	22	7.8	12.0	L	125.022	925.022	825.022	50
	35.00	2		30	18	8.3	13.5	N	135.016	935.016	135.016	50
	35.00	2		36	25	8.3	13.5	L	135.025	935.025	135.025	50
	50.00	1		36	20	10.3	16.0	N	150.020	950.020	150.020	50
	50.00	1		40	25	10.3	16.0	L	150.025	950.025	150.025	50
*	70.00	2/0		37	20	12.7	16.0	N	-	-	870.020	50
	70.00	2/0		44	27	12.7	16.0	N	-	-	870.027	50
*	95.00	3/0		44	25	14.7	18.0	N	-	-	895.025	25
*	120.0	4/0		48	27	16.7	21.0	N	-	-	820.027	25
*	150.0	300MCM		58	32	19.7	23.0	N	-	-	850.032	25











Information subject to change without notice - All dimensions in mm except where otherwise stated

## Twin Insulated Ferrules

Material: 99.9% electrolytic copper, tin plated RoHS  
 Insulation: polypropylene. Available in colour code indicated only,  
 other codes on special order  
 Dimensions according to DIN 46228/1



### Twin Insulated Ferrules (Order by Part No.)





mm <sup>2</sup>	AWG	Drawing	L1	L2	d	WxD	Size	Part No.	Package
2 x 0.34	2 x 24		15	8	1.5	2.3 X 3.9	N	200.308	500
2 x 0.50	2 x 22		15	8	1.5	2.3 x 4.5	N	200.508	500
2 x 0.75	2 x 20		15	8	1.8	2.6 x 5.1	N	207.508	500
2 x 0.75			17	10	1.8	2.6 x 5.1	L	207.510	500
2 x 1.00	2 x 18		15	8	2.05	3 x 5.1	N	201.008	500
2 x 1.00	2 x 18		17	10	2.05	3 x 5.1	L	201.010	500
2 x 1.50	2 x 16		16	8	2.3	3.5 x 6.4	N	201.508	500
2 x 1.50	2 x 16		20	12	2.3	3.5 x 6.4	L	201.512	500
2 x 2.50	2 x 14		18.5	10	2.9	4 x 7.5	N	202.510	250
2 x 2.50	2 x 14		21.5	13	2.9	4 x 7.5	L	202.513	250
2 x 4.00	2 x 12		23	12	3.8	4.9 x 8.6	N	204.012	100
2 x 6.00	2 x 10		25	14	4.6	5.8 x 9.6	N	206.014	100
<sup>2</sup> x10.00	2 x 8		26	14	6.5	7 x 12.6	N	210.014	100
<sup>2</sup> x16.00	2 x 6		31	16	8.5	8.8 x 16.6	N	216.014	50

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## Single Insulated Ferrules in Strips, Spools and Rolls

Material: 99.9% electrolytic copper, tin plated RoHS  
 Insulation: polypropylene or polyamide (Nylon). Available in DIN colour code only, other codes on special order  
 dimensions according to DIN 46228/1 - (\*) Special order only

### Insulated Ferrules (Order by Part No.)

mm <sup>2</sup>	AWG	Drawing	L1	L2	d	D	Size	Part No.	Package
0.50	22		14.5	8.0	1.1	2.6	N	170.508	5 strips of 50 ferrules
0.50	22		14.5	8.0	1.1	2.6	N	090.508	1 spool of 1000 ferrules
0.50	22		14.5	8.0	1.1	2.6	N	190.508	1 roll of 3000 ferrules*
0.75	20		14.5	8.0	1.3	2.8	N	177.508	5 strips of 50 ferrules
0.75	20		14.5	8.0	1.3	2.8	N	097.508	1 spool of 1000 ferrules
0.75	20		14.5	8.0	1.3	2.8	N	197.508	1 roll of 3000 ferrules*
1.00	18		14.5	8.0	1.5	3.0	N	171.008	5 strips of 50 ferrules
1.00	18		14.5	8.0	1.5	3.0	N	091.008	1 spool of 1000 ferrules
1.00	18		14.5	8.0	1.5	3.0	N	191.008	1 roll of 3000 ferrules*
1.50	16		14.5	8.0	1.8	3.4	N	171.508	5 strips of 50 ferrules
1.50	16		14.5	8.0	1.8	3.4	N	091.508	1 spool of 1000 ferrules
1.50	16		14.5	8.0	1.8	3.4	N	191.508	1 roll of 2500 ferrules*
2.50	14		14.5	8.0	2.3	4.2	N	172.508	5 strips of 50 ferrules
2.50	14		14.5	8.0	2.3	4.2	N	092.508	1 spool of 500 ferrules
2.50	14		14.5	8.0	2.3	4.2	N	192.508	1 roll of 1500 ferrules*

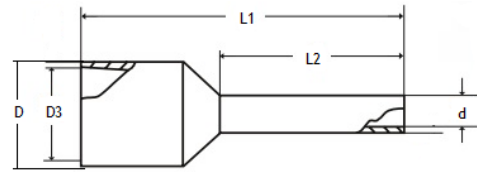
Information subject to change without notice - All dimensions in mm except where otherwise stated

\*Special order item

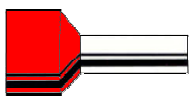
# Short-Circuit Protection Insulated Ferrules

Ferrules specially designed with large plastic collars with extra thick insulation for short-circuit and earth fault protection (NSGAFÖU).

Material: 99.9% electrolytic copper, tin plated RoHS  
 Insulation: polyamide (nylon). Available in DIN colour code only



## Insulated Ferrules (Order by Part No.)

mm <sup>2</sup>	AWG	Drawing	L1	L2	d	D	D3	Size	DIN Colour Code	Package
1.50	16		17.5	8.0	1.8	7.2	6.9	N	101.598	100
2.50	14		17.5	8.0	2.3	8.1	7.8	N	102.598	100
4.00	12		19.5	10.0	2.9	8.1	7.8	N	104.912	100
6.00	10		23.0	12.0	3.6	8.6	8.3	N	106.912	100
10.00	8		24.0	12.0	4.6	10.1	9.8	N	110.912	100
16.00	6		25.5	12.0	6.0	12.3	12.0	N	116.912	100

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## Ferrule Dispenser Boxes

These small, handy round plastic boxes 90mm diameter (approx. 3 1/2"), are practical for everyday use, both in the shop and in the field.



## Dispenser Boxes (Order by Part No.)



Part No.	Description	Contents		
		Wire size	Colour	Quantity
199.001	Dispenser box - Small insulated ferrules DIN colour code	22AWG - 0.50 mm <sup>2</sup>	White	50
		20AWG - 0.75 mm <sup>2</sup>	Grey	100
		18AWG - 1 mm <sup>2</sup>	Red	100
		16AWG - 1.5 mm <sup>2</sup>	Black	100
		14AWG - 2.5 mm <sup>2</sup>	Blue	50
199.002	Dispenser box - Small insulated ferrules "W" colour code	22AWG - 0.50mm <sup>2</sup>	Orange	50
		20AWG - 0.75 mm <sup>2</sup>	White	100
		18AWG - 1 mm <sup>2</sup>	Yellow	100
		16AWG - 1.5 mm <sup>2</sup>	Red	100
		14AWG - 2.5 mm <sup>2</sup>	Blue	50
199.003	Dispenser box - Large insulated ferrules DIN colour code	12AWG - 4 mm <sup>2</sup>	Grey	50
		10AWG - 6 mm <sup>2</sup>	Yellow	20
		8AWG - 10 mm <sup>2</sup>	Red	20
		6AWG - 16 mm <sup>2</sup>	Blue	10
		12AWG - 4 mm <sup>2</sup>	Grey	50
199.004	Dispenser box - Large insulated ferrules "W" colour code	10AWG - 6 mm <sup>2</sup>	Black	20
		8AWG - 10 mm <sup>2</sup>	Ivory	20
		6AWG - 16 mm <sup>2</sup>	Green	10
199.031	Test box - Very small insulated ferrules DIN colour code	24AWG - 0.25 mm <sup>2</sup>	Yellow	30
		23AWG - 0.34 mm <sup>2</sup>	Turquoise	30
		22AWG - 0.50 mm <sup>2</sup>	White	30
		20AWG - 0.75 mm <sup>2</sup>	Grey	30
		18AWG - 1.0 mm <sup>2</sup>	Red	30
199.032	Test box - Very small insulated ferrules "W" colour code	24AWG - 0.25 mm <sup>2</sup>	Light blue	30
		23AWG - 0.34 mm <sup>2</sup>	Turquoise	30
		22AWG - 0.50 mm <sup>2</sup>	Orange	30
		20AWG - 0.75 mm <sup>2</sup>	White	30
		18AWG - 1.0 mm <sup>2</sup>	Yellow	30
199.033	Test box -insulated twin ferrules DIN colour code	2x16 AWG - 2x1.5 mm <sup>2</sup>	Black	20
		2x14 AWG - 2x2.5 mm <sup>2</sup>	Blue	20
		2x12 AWG - 2x4.0 mm <sup>2</sup>	Grey	20
		2x10 AWG - 2x6.0 mm <sup>2</sup>	Yellow	10

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## Ferrule Kits in Plastic or Metal Cases

ITC offers six kits in sturdy polypropylene cases (280x172x45mm, ~11x6¾x1¾"); these cases have 12 compartments for ferrules plus one space for a crimping tool, and have two clasps to securely close the case. ITC also offers three models of kits in metal cases with latch (240 x 340 x 50 mm, ~9 ½" x 13 ½" x 2"); these rugged cases have 20 compartments for ferrules and space for one crimping tool. Upon request, ITC can supply custom kits designed to suit your needs.

### Ferrule Kits (Order by Part No.)

Part No.	Description	Contents (ferrules)		
		Wire size	Colour	Quantity
199.107	Tool kit - Assortment of insulated and Twin ferrules DIN colour code with industrial tool 500.811	Same as 199.117		
199.117	Tool kit - Assortment of insulated and Twin ferrules DIN colour code with professional tool 500.049 	22AWG - 0.50mm <sup>2</sup>	White	250
		20AWG - 0.75 mm <sup>2</sup>	Grey	250
		18AWG - 1 mm <sup>2</sup>	Red	250
		16AWG - 1.5 mm <sup>2</sup>	Black	250
		14AWG - 2.5 mm <sup>2</sup>	Blue	100
		12AWG - 4 mm <sup>2</sup>	Grey	100
		10AWG - 6 mm <sup>2</sup>	Yellow	50
		2x22AWG - 2x0.50mm <sup>2</sup>	White	100
		2x20AWG - 2x0.75mm <sup>2</sup>	Grey	100
		2x18AWG - 2x1mm <sup>2</sup>	Red	100
		2x16AWG - 2x1.5mm <sup>2</sup>	Black	100
2x14AWG - 2x2.5mm <sup>2</sup>	Blue	50		
199.127	Ferrule kit - Assortment of insulated and Twin ferrules DIN colour code without tool	Same as 199.117		
199.108	Tool kit - Assortment of insulated ferrules DIN colour code with industrial tool 500.811	22AWG - 0.50mm <sup>2</sup>	White	250
		20AWG - 0.75 mm <sup>2</sup>	Grey	250
		18AWG - 1 mm <sup>2</sup>	Red	250
		16AWG - 1.5 mm <sup>2</sup>	Black	250
		14AWG - 2.5 mm <sup>2</sup>	Blue	100
12AWG - 4 mm <sup>2</sup>	Grey	100		
199.118	Tool kit - Assortment of insulated ferrules DIN colour code with professional tool 500.049	Same as 199.108		
199.128	Ferrule kit - Assortment of insulated ferrules DIN colour code without tool	Same as 199.108		
199.109	Metal Tool kit - Assortment of insulated and Twin ferrules DIN colour code with industrial tool 500.811	Same as 199.119		
199.119	Metal Tool kit - Assortment of insulated and Twin ferrules DIN colour code with professional tool 500.049 	22AWG - 0.50mm <sup>2</sup>	White	250
		20AWG - 0.75 mm <sup>2</sup>	Grey	500
		18AWG - 1 mm <sup>2</sup>	Red	500
		16AWG - 1.5 mm <sup>2</sup>	Black	500
		14AWG - 2.5 mm <sup>2</sup>	Blue	250
		12AWG - 4 mm <sup>2</sup>	Grey	100
		10AWG - 6 mm <sup>2</sup>	Yellow	100
		2x22AWG - 2x0.50mm <sup>2</sup>	White	100
		2x20AWG - 2x0.75mm <sup>2</sup>	Grey	100
		2x18AWG - 2x1mm <sup>2</sup>	Red	100
		2x16AWG - 2x1.5mm <sup>2</sup>	Black	100
		2x14AWG - 2x2.5mm <sup>2</sup>	Blue	50
		2x12AWG - 2x4mm <sup>2</sup>	Grey	50
2x10AWG - 2x6mm <sup>2</sup>	Yellow	25		
199.129	Metal Ferrule kit - Assortment of insulated and Twin ferrules DIN colour code without tool	Same as 199.119		

Information subject to change without notice



## SLIDE-BOX® Ferrule Kits

A handy, attractive package for displaying and using small components such as wire terminals, ferrules, etc.. Designed to hang on standard display hooks.

Case made of impact-resistant thermoplastic resin in eight available colours. Covers in transparent plastic, to show contents of each compartment. Covers slide easily with thumb action, yet single compartments are safely closed until needed. Available empty or in prepared kits of or ferrules.



### “SLIDE-BOX”® Ferrule Kits (Order by Part No.)

Part No.	Description	Colour	Compartment 1	Compartment 2	Compartment 3	Compartment 4	Compartment 5
199.051	Empty slide-box	Black	-	-	-	-	-
199.053	Empty slide-box	Green	-	-	-	-	-
199.054	Empty slide-box	Red	-	-	-	-	-
199.055	Empty slide-box	Yellow	-	-	-	-	-
199.056	Empty slide-box	Blue	-	-	-	-	-
199.057	Empty slide-box	Grey	-	-	-	-	-
199.058	Empty slide-box	Dark grey	-	-	-	-	-
199.059	Empty slide-box	Orange	-	-	-	-	-
790.130	Insulated Ferrules 22-14AWG	Green	100 ferrules 22AWG white	100 ferrules 20AWG grey	100 ferrules 18AWG red	50 ferrules 16AWG black	50 ferrules 14AWG blue
790.131	Non insulated Ferrules 22-14AWG	Grey	100 ferrules 22AWG	100 ferrules 20AWG	100 ferrules 18AWG	100 ferrules 16AWG	50 ferrules 14AWG
790.132	Twin Ins. Ferrules 22-14AWG	Black	50 twin ferrules 22AWG white	50 twin ferrules 20AWG grey	50 twin ferrules 18AWG red	50 twin ferrules 16AWG black	25 twin ferrules 14AWG blue
790.133	Insulated Ferrules 14-6AWG	Orange	50 ferrules 14AWG blue	30 ferrules 12AWG grey	25 ferrules 10AWG yellow	20 ferrules 8AWG red	15 ferrules 6AWG blue

Information subject to change without notice

## Crimping Tools

ITC offers a variety of ferrule crimping tools to suit any requirement:

For occasional use with a selection of products covering ferrules from 24 to 1 AWG:

- Series 800 Manual Crimping Tools

For everyday industrial purposes, our comprehensive of German made ferrule crimpers in its Professional Series:

- Series PEW8.8, Quadro manual multifunction ferrule tool

For higher volume applications, bench-mount and hand-held pneumatic tools, as well as spool or hopper fed automatic stripping/crimping machines:

- Series 900 Bench-Mount Pneumatic Crimping Tools for Electrical Terminals
- Automatic, Bench-Mounted Ferrule Processing Machines MC-25, M-40, EC-65

Since 1994, ITC is a trusted resource for industrial electrical and automation components. With over 9000 different parts available from its warehouse in the GTA,

ITC can provide its customers the perfect blend of dependable stock, quality products, fair pricing, and friendly, knowledgeable service.

Here are some of our manufacturing partners:



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