

# PRECISION - CABLE CONNECTIONS, INSULATED AND NON-INSULATED

Electrical power is the product of voltage and current strength. An optimum connection guarantees to transfer this power without thermal losses. This requires materials, design and tool to be correctly processed and matched to one another. If you want optimum power at all times, you can rely on Klauke's best work.



### In brief

- ▶ High requirements in detail
- ▶ Solutions available for small cross-sections
- ▶ Broad range of versions
- ▶ Optimum connection without thermal loss
- ▶ Grooved profile for improved conductor hold

▶ **Easy insulation**

All insulation is produced in the Easy-Entry version, for simple cable insertion without splicing. For small ranges with big effect.

- Cable connections with nominal cross-sections from 0,1 mm<sup>2</sup> to 6 mm<sup>2</sup>
- Resistant to temperatures of up to 105 °C

- Flame retardant polyamide insulation: No toxic vapours in case of fire
- Halogen-free
- Insensitive to corrosion due to tinning under the insulation
- Simple processing thanks to Easy-Entry
- Grooved profile on the inside for improved contacting

▶ **More hold with grooved profile**

The detail is key. Not only are there numerous models of Klauke tabs and receptacles, they are also equipped with special features. No matter whether as a standardised connector or with grooved profile for improved contacting - Klauke will always provide the right feature for your requirements.

- Broad range of models
- All-purpose
- Also as standardised connectors with various tab widths
- Available with strain relief
- Fully-insulated receptacles
- Grooved profile and additional copper ring in the insulation area for higher stresses



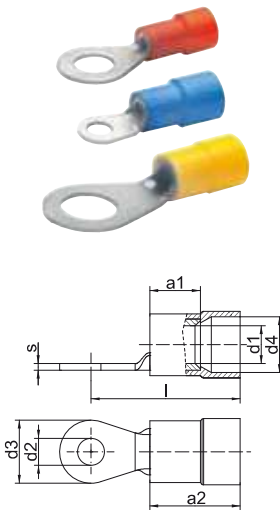
▶ **Quality in detail**

In a machine, everything has to pull together. For the machine to run, every component has to function. Even when it comes to small parts, better to go for high quality products with a high capacity, for our receptacles with snap-in point for example. The snap-in point guarantees a reliable connection even after repeated insertions.

- High conductivity and reliable insulation thanks to high-quality materials
- Improved spring properties by the use of bronze



## Insulated solderless terminals



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ To DIN 46237
- ▶ High-quality brazing process in the crimp area
- ▶ Insulation sleeve halogen-free

### Characteristics

- Heat resistant to 105° C
- Easy-Entry insulation for simple cable insertion
- Cross-section-dependent colour-coding

### Material

- Copper (ETP)
- Insulation sleeve: PA

### Surface

- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 173

### Additional information

- \* = not standardised
- 0.1 - 0.4 mm<sup>2</sup> not CSA-tested

Nominal cross section mm <sup>2</sup>	Nominal size to DIN	Part No.	Colour	Hint	Dimension mm								Weight/ pcs. ~kg	Packing unit/pcs
					a1	a2	d1	d2	d3	d4	l	s		
0.1 - 0.4	--	<b>6192</b>	□	*	--	--	1.0	2.3	5.0	2.2	14.0	0.5	0.020	100
	--	<b>61925</b>	□	*	--	--	1.0	2.6	5.0	2.2	14.0	0.5	0.020	100
	--	<b>6193</b>	□	*	--	--	1.0	3.3	5.0	2.2	14.0	0.5	0.020	100
	--	<b>61935</b>	□	*	--	--	1.0	3.8	6.5	2.2	16.0	0.5	0.025	100
	--	<b>6194</b>	□	*	--	--	1.0	4.4	7.0	2.2	16.0	0.5	0.025	100
	--	<b>6195</b>	□	*	--	--	1.0	5.4	8.0	2.2	15.0	0.5	0.025	100
0.5 - 1	2.5 - 1	<b>62025</b>	■		5	10.5	1.6	2.8	6.0	4.5	16.5	0.8	0.060	100
	3.0 - 1	<b>6203</b>	■		5	10.5	1.6	3.2	6.0	4.5	16.5	0.8	0.060	100
	3.5 - 1	<b>62035</b>	■		5	10.5	1.6	3.7	6.0	4.5	16.5	0.8	0.550	100
	4.0 - 1	<b>6204</b>	■		5	10.5	1.6	4.3	8.0	4.5	17.5	0.8	0.070	100
	5.0 - 1	<b>6205</b>	■		5	10.5	1.6	5.3	10.0	4.5	18.5	0.8	0.090	100
	--	<b>6206</b>	■	*	5	10.5	1.6	6.5	11.0	4.5	20.5	0.8	0.080	100
	--	<b>6208</b>	■	*	5	10.5	1.6	8.4	14.0	4.5	22.5	0.8	0.130	100
	--	<b>62010</b>	■	*	5	10.5	1.6	10.5	18.0	4.5	24.5	0.8	0.130	100
1.5 - 2.5	3.0 - 2.5	<b>6303</b>	■		5	11.5	2.3	3.2	6.0	5.0	17.5	0.8	0.065	100
	3.5 - 2.5	<b>63035</b>	■		5	11.0	2.3	3.7	6.0	5.1	17.5	0.8	0.065	100
	4.0 - 2.5	<b>6304</b>	■		5	11.5	2.3	4.3	8.0	5.1	18.5	0.8	0.080	100
	5.0 - 2.5	<b>6305</b>	■		5	11.5	2.3	5.3	10.0	5.1	20.5	0.8	0.090	100
	6.0 - 2.5	<b>6306</b>	■		5	11.5	2.3	6.5	11.0	5.1	22.5	0.8	0.110	100
	8.0 - 2.5	<b>6308</b>	■		5	11.5	2.3	8.4	14.0	5.1	23.5	0.8	0.130	100
	--	<b>63010</b>	■	*	5	11.5	2.3	10.5	18.0	5.1	25.5	0.8	0.160	100
4 - 6	4.0 - 6	<b>6504</b>	□		6	12.5	3.6	4.3	8.0	6.5	20.5	1.0	0.140	100
	5.0 - 6	<b>6505</b>	□		6	12.5	3.6	5.3	10.0	6.5	21.5	1.0	0.160	100
	6.0 - 6	<b>6506</b>	□		6	12.5	3.6	6.5	11.0	6.5	22.5	1.0	0.170	100
	8.0 - 6	<b>6508</b>	□		6	12.5	3.6	8.4	14.0	6.5	25.5	1.0	0.220	100
	10.0 - 6	<b>65010</b>	□		6	12.5	3.6	10.5	18.0	6.5	27.5	1.0	0.290	100

## Insulated solderless terminals, fork type



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ Dimensions in the crimp area to DIN 46237
- ▶ High-quality brazing process in the crimp area
- ▶ Simple fork-type mounting
- ▶ Insulation sleeve halogen-free

### Characteristics

- Heat resistant to 105° C
- Easy-Entry insulation for simple cable insertion
- Cross-section-dependent colour-coding

### Material

- Copper (ETP)
- Insulation sleeve: PA

### Surface

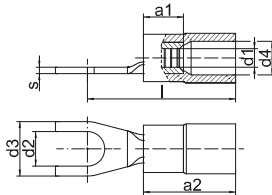
- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 173

### Additional information

- 0.1 - 0.4 mm<sup>2</sup> not CSA-tested
- \* = not standardised



Nominal cross section mm <sup>2</sup>	Nominal size to DIN	Part No.	Colour	Hint	Dimension mm								Weight/ pcs. -kg	Packing unit/pcs
					a1	a2	d1	d2	d3	d4	l	s		
0.1 - 0.4	--	<b>619C3</b>	■	*	--	--	--	3.2	5.0	--	14.0	0.5	0.020	100
	3.0 - 1	<b>620C3</b>	■		5	10.5	1.6	3.2	6.0	4.5	16.5	0.8	0.060	100
	3.5 - 1	<b>620C35</b>	■		5	10.5	1.6	3.7	6.8	4.5	17.5	0.8	0.060	100
0.5 - 1	4.0 - 1	<b>620C4</b>	■		5	10.5	1.6	4.3	6.8	4.5	17.5	0.8	0.070	100
	5.0 - 1	<b>620C5</b>	■		5	10.5	1.6	5.3	10.0	4.5	18.5	0.8	0.090	100
	--	<b>620C6</b>	■	*	5	10.5	1.6	6.5	11.0	4.5	20.5	0.8	0.080	100
	3.0 - 2.5	<b>630C3</b>	■		5	11.5	2.3	3.2	6.0	5.1	17.5	0.8	0.060	100
	3.5 - 2.5	<b>630C35</b>	■		5	11.5	2.3	3.7	6.8	5.1	18.5	0.8	0.065	100
1.5 - 2.5	4.0 - 2.5	<b>630C4</b>	■		5	11.5	2.3	4.3	6.8	5.1	18.5	0.8	0.080	100
	5.0 - 2.5	<b>630C5</b>	■		5	11.5	2.3	5.3	10.0	5.1	20.5	0.8	0.090	100
	6.0 - 2.5	<b>630C6</b>	■		5	11.5	2.3	6.5	11.0	5.1	22.5	0.8	0.110	100
	4.0 - 6	<b>650C4</b>	■		6	12.5	3.6	4.3	8.0	6.5	20.5	1.0	0.140	100
	5.0 - 6	<b>650C5</b>	■		6	12.5	3.6	5.3	10.0	6.5	21.5	1.0	0.160	100
4 - 6	6.0 - 6	<b>650C6</b>	■		6	12.5	3.6	6.5	11.0	6.5	22.5	1.0	0.170	100
	8.0 - 6	<b>650C8</b>	■		6	12.5	3.6	8.4	14.0	6.5	25.5	1.0	0.220	100
	10.0 - 6	<b>650C10</b>	■		6	12.5	3.6	10.5	18.0	6.5	27.5	1.0	0.280	100



## Insulated pin terminals



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ To DIN 46231
- ▶ High-quality brazing process in the crimp area
- ▶ Insulation sleeve halogen-free

### Characteristics

- Cross-section-dependent colour-coding
- Heat resistant to 105° C
- Easy-Entry insulation for simple cable insertion

### Material

- Copper (ETP)
- Insulation sleeve: PA

### Surface

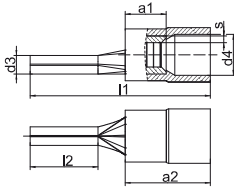
- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 173

### Additional information

- 0.1 - 0.4 mm<sup>2</sup> not CSA-tested
- \* = not standardised



Nominal cross section mm <sup>2</sup>	Nominal size to DIN	Part No.	Colour	Hint	Dimension mm						Weight/ pcs. ~kg	Packing unit/pcs
					a1	a2	d3	d4	l1	l2		
0.1 - 0.4	--	<b>704</b>	Yellow	*	--	--	1.4	--	18.0	9.0	0.020	100
0.5 - 1	1	<b>705</b>	Red		5	10.5	1.9	4.5	22.0	10.0	0.065	100
		<b>705K</b>	Red	*	5	10.5	1.9	4.5	18.0	6.0	0.060	100
		<b>710</b>	Blue		5	11.5	1.9	5.1	23.0	10.0	0.065	100
1.5 - 2.5	2.5	<b>710K</b>	Blue	*	5	11.5	1.9	5.1	19.5	6.5	0.060	100
		<b>710L</b>	Blue	*	5	11.5	1.9	5.1	27.5	16.0	0.100	100
4 - 6	6	<b>715</b>	Yellow		6	12.5	2.7	6.5	26.0	11.0	0.160	100

## Insulated pin receptacles



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ High quality bronze material provides optimum spring characteristic and improved contact strength

### Characteristics

- Cross-section-dependent colour-coding
- Heat resistant to 70° C

### Material

- Bronze (CuSnZn)
- Insulation sleeve: PVC

### Surface

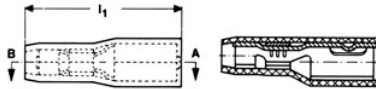
- Tin-plated to protect against corrosion




### Technical instructions

- Tool: see page 173

### Additional information

- 1.5 - 2.5 mm<sup>2</sup> and 4 - 6 mm<sup>2</sup> not CSA-tested



Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm		Weight/pcs. ~kg	Packing unit/pcs
			Pin dia.	l1		
0.5 - 1	920		4	22	0.060	100
1.5 - 2.5	930		5	22	0.120	100
4 - 6	950		5	22	0.125	100

## Insulated pin receptacles



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6

### Characteristics

- Cross-section-dependent colour-coding
- Heat resistant to 70° C

### Material

- Brass (CuZn)
- Insulation sleeve: PVC

### Surface

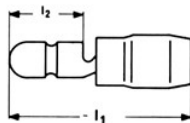
- Tin-plated to protect against corrosion




### Technical instructions

- Tool: see page 173

### Additional information

- 1.5 - 2.5 mm<sup>2</sup> and 4 - 6 mm<sup>2</sup> not CSA-tested



Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm			Weight/pcs. ~kg	Packing unit/pcs
			Pin dia.	l1	l2		
0.5 - 1	1020		4	22	9	0.060	100
1.5 - 2.5	1030		5	22	9	0.075	100
4 - 6	1050		5	22	9	0.110	100



## Insulated pin receptacles, fully insulated



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ High quality bronze material provides optimum spring characteristic and improved contact strength
- ▶ Fast processing as no additional insulation of the crimped connection is required
- ▶ Insulation sleeve halogen-free

### Characteristics

- Cross-section-dependent colour-coding
- Heat resistant to 105° C

### Material

- Bronze (CuSnZn)
- Insulation sleeve: PA

### Surface

- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 173

### Additional information

- 4 - 6 mm<sup>2</sup> not CSA-tested

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm			Weight/pcs. ~kg	Packing unit/pcs
			Pin dia.	l1	s		
0.5 - 1	920V	■	4	24	0.38	0.065	100
4 - 6	950V	■	5	27	0.40	0.150	100

## Insulated pin receptacles, fully insulated



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ High quality bronze material provides optimum spring characteristic and improved contact strength
- ▶ Fast processing as no additional insulation of the crimped connection is required
- ▶ Insulation sleeve halogen-free

### Characteristics

- Cross-section-dependent colour-coding
- Heat resistant to 105° C

### Material

- Bronze (CuSnZn)
- Insulation sleeve: PA

### Surface

- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 173

### Additional information

- 1.5 - 2.5 mm<sup>2</sup> and 4 - 6 mm<sup>2</sup> not CSA-tested

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm			Weight/pcs. ~kg	Packing unit/pcs
			Pin dia.	l1	l2		
0.5 - 1	1020V	■	4	25	11	0.065	100
1.5 - 2.5	1030V	■	5	25	11	0.080	100
4 - 6	1050V	■	5	27	13	0.120	100

## Insulated receptacles, tinned brass



► For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6

### Characteristics

- To DIN 46245, part 1 – 3 and similar versions
- Cross-section-dependent colour-coding
- Temperature resistance: PVC to 70° C, PA to 105° C

### Material

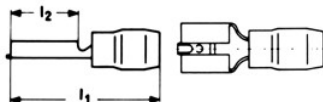
- Brass (CuZn)
- Insulation sleeve: PVC/PA

### Surface

- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 173



Nominal cross section mm <sup>2</sup>	Nominal size to DIN	Part No.	Colour	Tab Thickn.	Tab Width	Dimension mm		Insulation material	Weight/pcs. ~kg	Packing unit/pcs
						l1	l2			
0.5 - 1		<b>8201</b>	■	0.5	2.8	17.5	8.0	PVC	0.035	100
		<b>8201A</b>	■	0.8	2.8	17.5	8.0	PVC	0.045	100
		<b>8202</b>	■	0.5	4.8	18.0	6.0	PVC	0.065	100
	4.8 - 1	<b>8203</b>	■	0.8	4.8	18.0	6.0	PVC	0.065	100
	6.3 - 1	<b>720</b>	■	0.8	6.3	22.0	7.5	PVC	0.090	100
		<b>7208</b>	■	0.8	7.7	25.0	9.5	PVC	0.110	100
1.5 - 2.5		<b>8301</b>	■	0.5	2.8	18.0	8.0	PA	0.050	100
		<b>8301A</b>	■	0.8	2.8	18.0	8.0	PA	0.060	100
		<b>8302</b>	■	0.5	4.8	18.0	6.0	PVC	0.070	100
	4.8 - 2.5	<b>8303</b>	■	0.8	4.8	18.0	6.0	PVC	0.070	100
	6.3 - 2.5	<b>730</b>	■	0.8	6.3	21.0	7.4	PVC	0.090	100
		<b>7308</b>	■	0.8	7.7	25.0	9.5	PVC	0.115	100
4 - 6		<b>8503</b>	■	0.8	4.8	23.0	7.5	PA	0.138	100
	6.3 - 6	<b>750</b>	■	0.8	6.3	21.0	7.5	PVC	0.100	100
		<b>7509</b>	■	1.2	9.5	26.5	12.0	PVC	0.150	100





# Electrical connection systems

Cable connections, insulated and non insulated

## Insulated receptacles, tinned bronze



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ High quality bronze material provides optimum spring characteristic and improved contact strength



### Characteristics

- To DIN 46245, part 3
- Cross-section-dependent colour-coding
- Heat resistant to 70° C



### Material

- Bronze (CuSnZn)
- Insulation sleeve: PVC

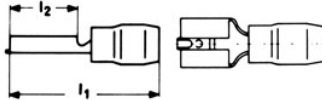


### Surface

- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 173



Nominal cross section mm <sup>2</sup>	Nominal size to DIN	Part No.	Colour	Tab Thickn.	Tab Width	Dimension mm		Insulation material	Weight/pcs. ~kg	Packing unit/ pcs
						l1	l2			
0.5 - 1	6.3 - 1	<b>720BZ</b>	■	0.8	6.3	22	7.5	PVC	0.09	100
1.5 - 2.5	6.3 - 2.5	<b>730BZ</b>	■	0.8	6.3	21	7.4	PVC	0.09	100
4 - 6	6.3 - 6	<b>750BZ</b>	■	0.8	6.3	21	7.5	PVC	0.10	100

## Insulated receptacles, multiple type



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6



### Characteristics

- Cross-section-dependent colour-coding
- Heat resistant to 70° C



### Material

- Brass (CuZn)
- Insulation sleeve: PVC

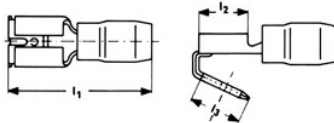


### Surface

- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 173



Nominal cross section mm <sup>2</sup>	Part No.	Colour	Tab Thickn.	Tab Width	Dimension mm			Insulation material	Weight/pcs. ~kg	Packing unit/ pcs
					l1	l2	l3			
0.5 - 1	<b>720AZ</b>	■	0.8	6.3	22	7.5	8	PVC	0.11	100
1.5 - 2.5	<b>730AZ</b>	■	0.8	6.3	22	7.5	8	PVC	0.11	100
4 - 6	<b>750AZ</b>	■	0.8	6.3	25	8.0	8	PVC	0.18	100

## Insulated receptacles, fully insulated



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ Fast processing as no additional insulation of the crimped connection is required



### Characteristics

- Cross-section-dependent colour-coding
- Temperature resistance: PVC to 70° C, PA to 105° C



### Material

- Brass (CuZn)
- Insulation sleeve: PVC/PA

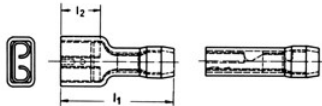


### Surface

- Tin-plated to protect against corrosion

### Technical instructions

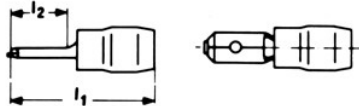
- Tool: see page 173



Nominal cross section mm <sup>2</sup>	Part No.	Colour	Tab Thickn.	Tab Width	Dimension mm		Insulation material	Weight/pcs. ~kg	Packing unit/pcs
					l1	l2			
0.5 - 1	8201V	■	0.5	2.8	19.0	5.5	PA	0.07	100
	8201AV	■	0.8	2.8	19.0	5.5	PA	0.07	100
	8202V	■	0.5	4.8	20.0	7.0	PVC	0.10	100
	8203V	■	0.8	4.8	20.0	7.0	PVC	0.10	100
	720V	■	0.8	6.3	21.0	7.5	PVC	0.08	100
1.5 - 2.5	8301V	■	0.5	2.8	20.0	8.0	PVC	0.14	100
	8301AV	■	0.8	2.8	20.0	8.0	PVC	0.14	100
	8302V	■	0.5	4.8	20.5	7.0	PVC	0.11	100
	8303V	■	0.8	4.8	20.5	7.0	PVC	0.11	100
	730V	■	0.8	6.3	21.0	7.5	PVC	0.15	100
4 - 6	8502V	■	0.5	4.8	20.5	9.5	PVC	0.15	100
	8503V	■	0.8	4.8	20.5	9.5	PVC	0.15	100
	750V	■	0.8	6.3	25.5	11.5	PVC	0.16	100



## Insulated tabs



► For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6

### Characteristics

- Cross-section-dependent colour-coding
- Temperature resistance: PVC to 70° C, PA to 105° C

### Material

- Brass (CuZn)
- Insulation sleeve: PVC/PA

### Surface

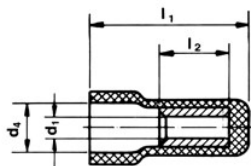
- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 173

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Tab Thickn.	Tab Width	Dimension mm		Insulation material	Weight/pcs. ~kg	Packing unit/pcs
					l1	l2			
0.5 - 1	8201C	■	0.5	2.8	22.0	11.5	PA	0.040	100
	8201B	■	0.8	2.8	14.6	5.5	PVC	0.060	100
	8202B	■	0.5	4.8	22.0	11.5	PA	0.070	100
	8203B	■	0.8	4.8	22.0	11.5	PA	0.070	100
1.5 - 2.5	820	■	0.8	6.3	22.0	8.0	PVC	0.060	100
	8302B	■	0.5	4.8	22.0	11.5	PA	0.070	100
	8303B	■	0.8	4.8	22.0	11.5	PA	0.070	100
4 - 6	830	■	0.8	6.3	22.0	8.0	PVC	0.065	100
	8502B	■	0.5	4.8	24.5	10.5	PA	0.120	100
	8503B	■	0.8	4.8	24.5	10.5	PA	0.120	100
	850	■	0.8	6.3	22.0	8.0	PVC	0.110	100

## Insulated end-splices



► For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6

► Safe sealing of open conductors

► Insulation sleeve halogen-free

### Characteristics

- Cross-section-dependent colour-coding
- Heat resistant to 105° C

### Material

- Copper (ETP)
- Insulation sleeve: PA

### Surface

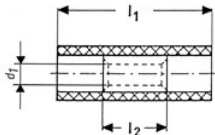
- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 173

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm				Weight/pcs. ~kg	Packing unit/pcs
			d1	d2	l1	l2		
1.5 - 2.5	1130	■	2.3	5.2	16	7	0.05	100
4 - 6	1150	■	3.6	7.0	18	7	0.14	100

## Insulated butt connectors



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ Simple and safe connecting owed to butt mark
- ▶ Fast processing as no additional insulation of the crimped connection is required
- ▶ Insulation sleeve halogen-free

### Characteristics

- Cross-section-dependent colour-coding
- Heat resistant to 105° C

### Material

- Copper (ETP)
- Insulation sleeve: PA

### Surface





- Tin-plated to protect against corrosion

### Technical instructions

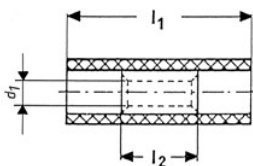
- Tool: see page 173

### Additional information

- 0.1 - 0.4 mm<sup>2</sup> not CSA-tested

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm			Weight/pcs. ~kg	Packing unit/pcs
			d1	l1	l2		
0.1 - 0.4	669		1.2	20	12	0.030	100
0.5 - 1	670		1.6	25	15	0.090	100
1.5 - 2.5	680		2.3	25	15	0.115	100
4 - 6	700		3.6	27	15	0.250	100

## Insulated butt connectors with heat shrink insulation



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ Simple and safe processing due to butt mark
- ▶ Fast processing as no additional insulation of the crimped connection is required
- ▶ Insulation sleeve halogen-free

### Characteristics

- Cross-section-dependent colour-coding
- Special crimping tool required
- Heat resistant to 105° C

### Material




- Copper (ETP)
- Insulation sleeve: PE

### Surface

- Tin-plated to protect against corrosion

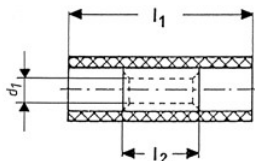
### Technical instructions

- Tool: see page 173

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm			Weight/pcs. ~kg	Packing unit/pcs
			d1	l1	l2		
0.5 - 1	670WS		1.6	36	15	0.12	100
1.5 - 2.5	680WS		2.3	36	15	0.15	100
4 - 6	700WS		3.4	41	15	0.25	100



## Insulated parallel connectors



- ▶ For fine and superfine stranded conductors, e.g. to DIN EN 60228 Cl. 5 and 6
- ▶ Fast processing as no additional insulation of the crimped connection is required
- ▶ Insulation sleeve halogen-free

### Characteristics

- Cross-section-dependent colour-coding
- Heat resistant to 105° C

### Material

- Copper (ETP)
- Insulation sleeve: PA

### Surface

- Tin-plated to protect against corrosion

### Technical instructions

- Tool: see page 173

### Additional information

- 0.1 - 0.4 mm<sup>2</sup> not CSA-tested

Nominal cross section mm <sup>2</sup>	Part No.	Colour	Dimension mm			Weight/pcs. ~kg	Packing unit/pcs
			d1	l1	l2		
0.1 - 0.4	<b>769</b>	Yellow	1.2	13	5	0.020	100
0.5 - 1	<b>770</b>	Red	1.6	17	7	0.030	100
1.5 - 2.5	<b>780</b>	Blue	2.3	17	7	0.035	100
4 - 6	<b>790</b>	Yellow	3.6	21	7	0.105	100