

# PREINSULATED COPPER TERMINALS



## Characteristics:

Connector material:	electrolytic tinned copper (purity grade 99,9%)
Insulation:	polypropylene
According to the norms:	DIN 46228/4 - DIN 47002 for the insulating part and the colour (D)
Humidity absorption:	no
• Working temperature	-10°C to +105°C
• Tightening temperature	0°C to +60°C
• Max admissible point	+120°C for short time
• Melting temperature	+165°C
Limit Oxygen Index (LOI):	17%
Resistance to external agents:	Good resistance to bases and weak acids. Limited resistance to strong oxidizing acids, oils and minerals. No resistance to chloride solvents. Halogen-free.

## Applications

- Switchboards.
- Electrical wirings.

## Characteristics

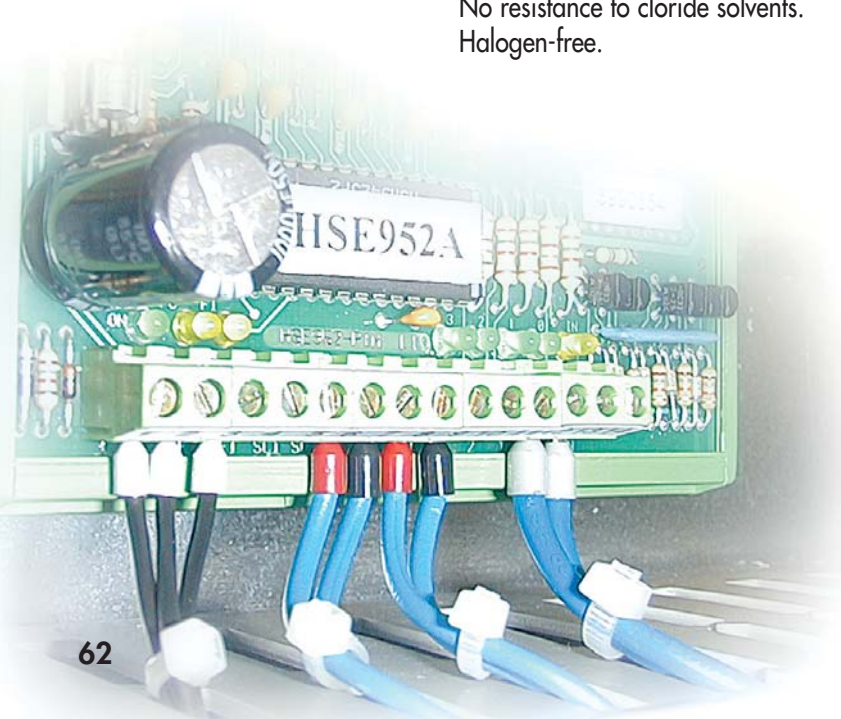
- Connector in electrolytic tinned copper.
- High conductivity.
- According, for colour and dimension, to the norms DIN 46228/4 and DIN 47002.

## Benefits

- Provide a perfect base of contact for the insertion into blocks.
- Easiest application thanks to the suitable tools.
- Available in three colours: T, W e D.

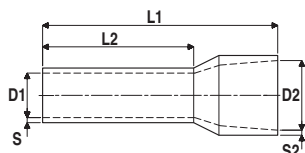


Tools for terminals, see pages 112; 122-123.



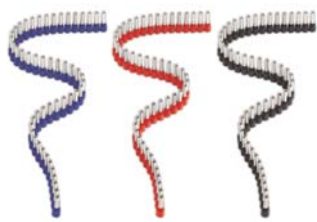


preinsulated **COPPER TERMINALS** - col. T/W/D



Cross section (mm <sup>2</sup> )	AWG	Code	Colour		Code	Colour		Dimensions (mm)					Bag pcs		
			T	W		D	L1	L2	D1	S	D2	S2			
0,25/N	24	E034	△	△	E134	△	-	10,0	6,0	0,75	0,15	1,8	0,25	500	
0,25/N	24	E034C	△	-	-	-	-	10,0	6,0	0,75	0,15	1,8	0,25	100	
0,25/L	24	E035	△	△	E135	△	-	12,0	8,0	0,75	0,15	1,8	0,25	500	
0,34/N	22	E036	△	△	E136	△	-	10,0	6,0	0,8	0,15	2,0	0,25	500	
0,34/N	22	E036C	△	-	-	-	-	10,0	6,0	0,8	0,15	2,0	0,25	100	
0,34/L	22	E037	△	△	E137	△	-	12,0	8,0	0,8	0,15	2,0	0,25	500	
0,50/K	20	E01	△	△	E010	△	E01	△	12,0	6,0	1,0	0,15	2,6	0,25	500
0,50/N	20	E02	△	△	E020	△	E02	△	14,0	8,0	1,0	0,15	2,6	0,25	500
0,5/N	20	E02C	△	-	-	-	-	14,0	8,0	1,0	0,15	2,6	0,25	100	
0,50/HL	20	E03	△	△	E030	△	E03	△	16,0	10,0	1,0	0,15	2,6	0,25	500
0,75/K	18	E04	△	△	E040	△	E004D	△	12,0	6,0	1,2	0,15	2,8	0,25	500
0,75/N	18	E05	△	△	E050	△	E005D	△	14,0	8,0	1,2	0,15	2,8	0,25	500
0,75/N	18	E05C	△	-	-	-	-	14,0	8,0	1,2	0,15	2,8	0,25	100	
0,75/HL	18	E06	△	△	E060	△	E006D	△	16,0	10,0	1,2	0,15	2,8	0,25	500
0,75/L	18	E07	△	△	E070	△	-	18,0	12,0	1,2	0,15	2,8	0,25	500	
1,00/K	18	E08	△	△	E080	△	E08	△	12,0	6,0	1,4	0,15	3,0	0,25	500
1,00/N	18	E09	△	△	E090	△	E09	△	14,0	8,0	1,4	0,15	3,0	0,25	500
1,0/N	18	E09C	△	-	-	-	-	14,0	8,0	1,4	0,15	3,0	0,25	100	
1,00/HL	18	E10	△	△	E100	△	E10	△	16,0	10,0	1,4	0,15	3,0	0,25	500
1,00/L	18	E11	△	△	E110	△	E11	△	18,0	12,0	1,4	0,15	3,0	0,25	500
1,50/N	16	E13	△	△	E113	△	E13	△	14,0	8,0	1,7	0,15	3,5	0,25	500
1,50/N	16	E13C	△	-	-	-	-	14,0	8,0	1,7	0,15	3,5	0,25	100	
1,50/HL	16	E14	△	△	E114	△	E14	△	16,0	10,0	1,7	0,15	3,5	0,25	500
1,50/L	16	E15	△	△	E115	△	E15	△	24,0	18,0	1,7	0,15	3,5	0,25	500
2,50/N	14	E16	△	△	E116	△	E116	△	14,0	8,0	2,2	0,15	4,2	0,25	500
2,50/N	14	E16C	△	-	-	-	-	14,0	8,0	2,2	0,15	4,2	0,25	100	
2,50/HL	14	E17	△	△	E117	△	E117	△	18,0	12,0	2,2	0,15	4,2	0,25	500
2,50/L	14	E18	△	△	E118	△	E118	△	24,0	18,0	2,2	0,15	4,2	0,25	500
4,00/N	12	E19	△	△	E119	△	E119	△	16,5	10,0	2,8	0,20	4,8	0,30	500
4,00/N	12	E19C	△	-	-	-	-	16,5	10,0	2,8	0,20	4,8	0,30	100	
4,00/HL	12	E20	△	△	E120	△	E120	△	19,5	12,0	2,8	0,20	4,8	0,30	500
4,00/L	12	E21	△	△	E121	△	E121	△	25,5	18,0	2,8	0,20	4,8	0,30	500
6,00/N	10	E22	△	△	E122	△	E022D	△	20,0	12,0	3,5	0,20	6,3	0,30	100
6,00/L	10	E23	△	△	E123	△	E023D	△	26,0	18,0	3,5	0,20	6,3	0,30	100
10,00/N	8	E24	△	△	E124	△	E024D	△	22,0	12,0	4,5	0,20	7,6	0,40	100
10,00/L	8	E25	△	△	E125	△	E025D	△	28,0	18,0	4,5	0,20	7,6	0,40	100
16,00/N	6	E26	△	△	E126	△	E026D	△	24,0	12,0	5,8	0,20	8,8	0,40	100
16,00/L	6	E27	△	△	E127	△	E027D	△	28,0	18,0	5,8	0,20	8,8	0,40	100
25,00/N	4	E28	△	△	E128	△	E028D	△	30,0	16,0	7,3	0,20	11,2	0,40	50
25,00/L	4	E29	△	△	E129	△	E029D	△	36,0	22,0	7,3	0,20	11,2	0,40	50
35,00/N	2	E30	△	△	E130	△	E30	△	30,0	16,0	8,3	0,20	12,7	0,40	50
35,00/L	2	E31	△	△	E131	△	E31	△	39,0	25,0	8,3	0,20	12,7	0,40	50
50,00/N	1	E32	△	△	E132	△	E32	△	36,0	20,0	10,3	0,30	15,0	0,50	50
50,00/L	1	-	-	△	E133	△	-	40,0	25,0	10,3	0,30	15,0	0,50	50	

• Short = K • Normal = N • Long = L • Medium = HL



**preinsulated END-SLEEVE TERMINALS - 50 pcs - cutting strips**

Cross section (mm <sup>2</sup> )	AWG	Code	Colour	Dimensions (mm)						Bag pcs
				T	L1	L2	D1	S1	D2	
0,50/N	20	<b>E02B</b>		14,0	8,0	1,0	0,15	2,6	0,25	500
0,75/L	18	<b>E05B</b>		14,0	8,0	1,2	0,15	2,8	0,25	500
1,00/N	18	<b>E09B</b>		14,0	8,0	1,4	0,15	3,0	0,25	500
1,50/L	16	<b>E13B</b>		14,0	8,0	1,7	0,15	3,5	0,25	500
2,50/K	14	<b>E16B</b>		14,0	8,0	2,2	0,15	4,2	0,25	500

# TOOLS for crimping end-sleeve terminals in strips



Code	Description	Ø Measure (mm <sup>2</sup> )	L (mm)	Weight (gr.)	Pcs/Bag
<b>9410</b>	Kit box for end-sleeve terminals in strips (tool + 3 magazines + box)	0,5-0,75-1,0-1,5-2,5	180	220	1
<b>9410P</b>	Tool for end-sleeve terminals in strips	0,5-0,75-1,0-1,5-2,5	180	220	1
<b>9410M</b>	Magazine	0,5-0,75-1,0-1,5-2,5			1

Ergonomic and automatic tool for end-sleeve terminals in strips from 0,5 up to 2,5 mm<sup>2</sup> (AWG 20÷14) . Equipped with 3 sleeve magazines and metallic box. It grants an easy and quick change. Multi functional tool for flexible cable cutting, stripping, twisting and all crimping operations.

# TWIN INSULATED TERMINALS



## Characteristics:

Connector material: electrolytic tinned copper (purity grade 99,9%)

Insulation: polypropylene

Technical standards:  
According to the norm: DIN 47002 colour (D)



## Applications

- Switchboards.
- Electrical wirings.

## Characteristics

- Connector in electrolytic tinned copper.
- High conductivity.
- According, for colour and dimension, to the norm DIN 47002.

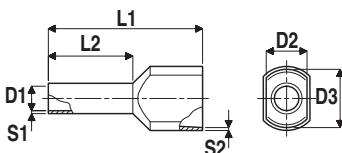
## Benefits

- Insertion of two cables into the same terminal.
- Perfect base of contact for the installation into block.
- Easiest application thanks to the suitable tools.



Tools for terminals, see pages 112; 122-123.

## TWIN INSULATED TERMINALS - colours D/T



Section (mm <sup>2</sup> )	Code	Colours		Code		Colours		Dimensions (mm)				Bag	
		D	D	T	T	D1	D2	D3	L1	L2	S1	S2	pcs
2 x 0,50/N	11031002*			11031002		1,4	2,5	4,7	15,0	8,0	0,15	0,25	500/100*
2 x 0,75/N	11031005*			11031005 T		1,7	2,8	5,0	15,0	8,0	0,15	0,25	500/100*
2 x 0,75/HL	11036006			11036006 T		1,7	2,8	5,0	17,0	10,0	0,15	0,25	500
2 x 1,00/N	11031009*			11031009		1,95	3,4	5,4	15,0	8,0	0,15	0,30	500/100*
2 x 1,00/HL	11036010			11036010		1,95	3,4	5,4	17,0	10,0	0,15	0,30	500
2 x 1,50/N	11031013*			11031013		2,2	3,6	6,6	16,0	8,0	0,15	0,30	500/100*
2 x 1,50/HL	11036014			11036014		2,2	3,6	6,6	20,0	12,0	0,15	0,30	500
2 x 2,50/N	11031016*			11031016 T		2,8	4,2	7,8	18,5	10,0	0,20	0,30	250/100*
2 x 2,50/HL	11036017			11036017 T		2,8	4,2	7,8	21,5	13,0	0,20	0,30	250
2 x 4,00/N	11031019			11031019 T		3,7	4,9	8,8	23,0	12,0	0,20	0,40	100
2 x 6,00/N	11031022			11031022 T		4,8	6,9	10,0	26,0	14,0	0,20	0,40	100
2 x 10,0/N	11031024			11031024 T		6,4	7,2	13,0	26,0	14,0	0,20	0,40	100
2 x 16,0/N	11031026			11031026 T		8,2	9,6	18,4	30,0	14,0	0,20	0,40	50

• Normal = N • Medium = HL \*Available in 100 pcs bag adding "C" after the code..

# INSULATED ASSORTMENT IN BOX DISPENSER

## Applications

- Switchboards.
- Electrical wirings.

## Characteristics

- Connector in electrolytic tinned copper.
- High conductivity.
- According, for colour and dimension, to the norms DIN 47002 e DIN 46228/4.

## Benefits

Contained in a practical box in PVC provided with separations for the easiest choice of the wished product.



### preinsulated copper terminals cross-section 0,5 ÷ 2,5\* mm<sup>2</sup>

Section (mm <sup>2</sup> )	pcs	11012001 Colour (T)	11022001 Colour (W)	11032001 Colour (D)
0,50	50			
0,75	100			
1,00	100			
1,50	100			
2,50	50			

\* DIN 46228/4



### preinsulated copper terminals cross-section 4 ÷ 16\* mm<sup>2</sup>

Section (mm <sup>2</sup> )	pcs	11012002 Colour (T)	11022002 Colour (W)	11032002 Colour (D)
4	50			
6	20			
10	20			
16	10			

\* DIN 46228/4



### twin terminals section 0,75-2,50 mm<sup>2</sup>

Section (mm <sup>2</sup> )	pcs	11032005 Colour (T)	11032003 Colour (D)
2 x 0,75	50		
2 x 1,00	50		
2 x 1,50	50		
2 x 2,50	50		



### twin terminals section 4-16 mm<sup>2</sup>

Section (mm <sup>2</sup> )	pcs	11032006 Colour (T)	11032004 Colour (D)
2 x 4	20		
2 x 6	10		
2 x 10	10		
2 x 16	5		