

PA6.6 INSULATED COPPER TUBE LUGS ANE-M SERIES
for copper conductors


Description:

- Are manufactured from electrolytic copper tube Cu-OF CW008A conform to UNI EN 13600:2003.
- Lugs are electrolytically tin plated with a minimum thickness of 3µm to avoid oxidation.
- Cembre lugs are annealed to guarantee optimum ductility which is an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.
- The interior of the PA6.6 insulation sleeve is funnel shaped so as to ensure complete and easy introduction of the conductor strands. The PA6.6 insulated sleeve eliminates the need to insulate the terminal by either taping or using heat shrinkable tubes. Furthermore the PA6.6 sleeve avoids the possibility of conductor breakage at the barrel entrance.
- Main characteristics of the PA6.6 sleeves:
 - DIELECTRIC STRENGTH (KV/mm) : >16,5
 - VOLUME RESISTIVITY ($\Omega \cdot \text{cm}$) : $>10^{13}$
 - MAX OPERATING TEMPERATURE ($^{\circ}\text{C}$) : 115-130
 - FLAMMABILITY (UL-94) : V-2
 - DENSITY (g/cm^3) : 1,14
 - WATER ABSORPTION (%) : 1,5
 - BREAKING LOAD (N/mm^2) : 77
- The connectors can be used within the following temperature range: $-20 \div +115^{\circ}\text{C}$ (Surge $+130^{\circ}\text{C}$)
- The connectors can be stored at a minimum temperature not below -40°C .

Each connector is marked as follows:

- Cembre trade mark and reference number.
- Nature and size of conductor (mm^2).
- \varnothing stud (mm).

Cembre SpA

Via Serenissima, 9 - 25135 Brescia (Italy)

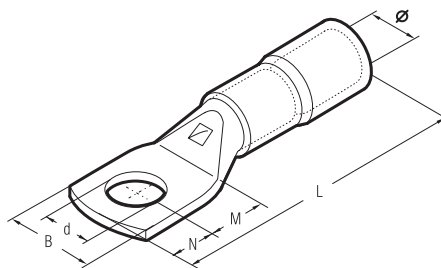
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Prepared by: Marketing dept.

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Sections and Dimensions:


Conductor Size Flexible sqmm	Ø Stud mm	Ref.	Dimensions mm						
			Ø	B	M	N	L	d	
10	4	ANE 2-M 4	8,0	10,0	5,0	4,0	34,1	4,3	
	5	ANE 2-M 5	8,0	10,0	6,5	6,0	37,6	5,3	
	6	ANE 2-M 6	8,0	11,0	7,0	6,0	38,1	6,4	
	8	ANE 2-M 8	8,0	15,0	9,0	8,0	42,1	8,4	
	10	ANE 2-M 10	8,0	18,0	11,0	10,0	46,1	10,5	
	12	ANE 2-M 12	8,0	19,0	14,0	12,0	51,1	13,2	
16	4	ANE 3-M 4	9,2	11,5	5,0	4,0	38,6	4,3	
	5	ANE 3-M 5	9,2	11,5	6,5	6,0	42,1	5,3	
	6	ANE 3-M 6	9,2	11,5	7,0	6,0	42,6	6,4	
	8	ANE 3-M 8	9,2	15,0	9,0	8,0	46,6	8,4	
	10	ANE 3-M 10	9,2	18,0	11,0	10,0	50,6	10,5	
	12	ANE 3-M 12	9,2	20,0	14,0	12,0	55,6	13,2	
25	4	ANE 5-M 4	11,1	14,0	5,0	4,0	41,0	4,3	
	5	ANE 5-M 5	11,1	14,0	6,5	6,0	44,5	5,3	
	6	ANE 5-M 6	11,1	14,0	7,0	6,0	45,0	6,4	
	8	ANE 5-M 8	11,1	15,0	9,0	8,0	49,0	8,4	
	10	ANE 5-M 10	11,1	18,0	11,0	10,0	53,0	10,5	
	12	ANE 5-M 12	11,1	21,0	14,0	12,0	58,0	13,2	
35	6	ANE 7-M 6	13,6	17,0	7,0	6,0	50,0	6,4	
	8	ANE 7-M 8	13,6	17,0	9,0	8,0	54,0	8,4	
	10	ANE 7-M 10	13,6	19,0	11,0	10,0	58,0	10,5	
	12	ANE 7-M 12	13,6	21,0	14,0	12,0	63,0	13,2	
	50	6	ANE 10-M 6	13,8	19,0	8,0	7,0	55,0	6,4
		8	ANE 10-M 8	13,8	19,0	9,0	8,0	57,0	8,4
10		ANE 10-M 10	13,8	20,0	11,0	10,0	61,0	10,5	
12		ANE 10-M 12	13,8	21,0	14,0	12,0	66,0	13,2	
70		6	ANE 14-M 6	15,8	21,0	8,0	7,0	61,0	6,4
		8	ANE 14-M 8	15,8	21,0	9,0	8,0	63,0	8,0
	10	ANE 14-M 10	15,8	21,0	11,0	10,0	67,0	10,5	
	12	ANE 14-M 12	15,8	22,0	14,0	12,0	72,0	13,2	
	14	ANE 14-M 14	15,8	25,0	16,0	14,0	76,0	15,0	
	95	8	ANE 19-M 8	18,0	25,0	9,0	8,0	73,0	8,4
10		ANE 19-M 10	18,0	25,0	11,0	10,0	77,0	10,5	
12		ANE 19-M 12	18,0	25,0	14,0	12,0	82,0	13,2	
14		ANE 19-M 14	18,0	25,0	16,0	14,0	86,0	15,0	
16		ANE 19-M 16	18,0	27,0	18,0	16,0	80,0	17,0	
120		10	ANE 24-M 10	20,0	28,5	11,0	10,0	77,7	10,5
	12	ANE 24-M 12	20,0	28,5	14,0	12,0	86,5	13,2	
	14	ANE 24-M 14	20,0	28,5	16,0	14,0	88,5	15,0	
	16	ANE 24-M 16	20,0	28,5	18,0	16,0	90,5	17,0	
	12	ANE 30-M 12	23,0	31,5	16,0	14,0	101,0	13,2	
	14	ANE 30-M 14	23,0	31,5	18,0	16,0	105,0	15,0	
150	16	ANE 30-M 16	23,0	31,5	19,0	17,0	107,0	17,0	
	20	ANE 30-M 20	23,0	31,5	22,0	20,0	113,0	21,0	

for extra flexible copper conductors, class 5 and 6

Conductor Size Extra Flexible sqmm	Ø Stud mm	Ref.	Dimensions mm					
			Ø	B	M	N	L	d
35	6	*ANE 9-M 6/15	13,6	15,0	8,0	7,0	54,0	6,4
	8	ANE 9-M 8	13,6	17,0	9,0	8,0	56,0	8,4
	10	ANE 9-M 10	13,6	18,5	11,0	10,0	60,0	10,5
	12	ANE 9-M 12	13,6	21,0	14,0	12,0	65,0	13,2
50	6	*ANE 12-M 6/15	15,7	15,0	8,0	7,0	59,5	6,4
	8	ANE 12-M 8	15,7	19,8	9,0	8,0	61,5	8,4
	10	ANE 12-M 10	15,7	19,8	11,0	10,0	65,5	10,5
	12	*ANE 12-M 10/19	15,7	19,0	11,0	10,0	65,5	10,5
70	12	ANE 12-M 12	15,7	22,0	14,0	12,0	70,5	13,2
	6	ANE 17-M 6	17,9	23,0	8,0	7,0	63,8	6,4
	8	ANE 17-M 8	17,9	23,0	9,0	8,0	65,8	8,4
	10	ANE 17-M 10	17,9	23,0	11,0	10,0	69,8	10,5
95	12	*ANE 17-M 10/19	17,9	19,0	11,0	10,0	69,8	10,5
	14	ANE 17-M 14	17,9	25,0	15,5	12,0	76,3	15,0
	16	ANE 17-M 16	17,9	27,0	16,5	13,5	78,8	17,0
	8	ANE 20-M 8	20,0	27,0	9,0	8,0	70,6	8,4
120	10	ANE 20-M 10	20,0	27,0	11,0	10,0	74,6	10,5
	12	ANE 20-M 12	20,0	27,0	14,0	12,0	79,6	13,2
	14	ANE 20-M 14	20,0	27,0	15,5	12,0	81,1	15,0
	16	ANE 20-M 16	20,0	27,0	16,5	13,5	83,6	17,0
150	10	ANE 29-M 10	22,4	30,0	11,0	10,0	81,5	10,5
	12	ANE 29-M 12	22,4	30,0	14,0	12,0	86,5	13,2
	14	ANE 29-M 14	22,4	30,0	15,5	12,0	88,5	15,0
	16	ANE 29-M 16	22,4	30,0	16,5	13,5	90,5	17,0
150	20	ANE 29-M 20	22,4	30,0	22,0	20,0	102,5	21,0
	12	ANE 35-M 12	25,0	34,2	16,0	14,0	95,0	13,2
	14	ANE 35-M 14	25,0	34,2	18,0	16,0	99,0	15,0
	16	ANE 35-M 16	25,0	34,2	19,0	17,0	101,0	17,0
20	ANE 35-M 20	25,0	34,2	22,0	20,0	107,0	21,0	

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