

**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 ($\Omega \cdot \text{cm}$) : >10¹³
 - MAX OPERATING TEMPERATURE (°C) : 115-130
 - FLAMMABILITY (UL-94) : V-2
 - DENSITY (g/cm³) : 1,14
 - WATER ABSORPTION (%) : 1,5
 - BREAKING LOAD (N/mm²) : 77
- The connectors can be used within the following temperature range: - 20 ÷ + 115°C (Surge + 130° 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 (mm²).
- Ø stud (mm).

Markings:

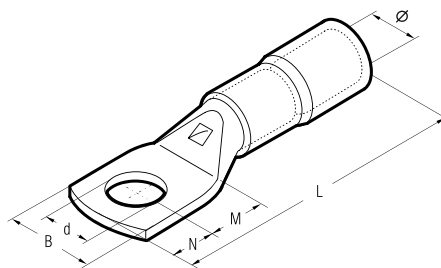

- **BT Directive 2006/95/CE**
 - **Conform to products norm CEI 20-28 MIL T7928G VG 88710 NFC 20-130**

Cembre SpA

Via Serenissima, 9 - 25135 Brescia (Italy)
 Tel.: +39 030 36921 - Fax: +39 030 3365766
 Web: www.cembre.com - Email: info@cembre.com

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

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
	10	*ANE 12-M 10/19	15,7	19,0	11,0	10,0	65,5	10,5
	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
70	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
	10	*ANE 17-M 10/19	17,9	19,0	11,0	10,0	69,8	10,5
	12	ANE 17-M 12	17,9	23,0	14,0	12,0	74,8	13,2
	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
95	8	ANE 20-M 8	20,0	27,0	9,0	8,0	70,6	8,4
	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
	10	ANE 29-M 10	22,4	30,0	11,0	10,0	81,5	10,5
120	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
	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
150	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

Cembre SpA

Via Serenissima, 9 - 25135 Brescia (Italy)

Tel.: +39 030 36921 - Fax: +39 030 3365766

Web: www.cembre.com - Email: info@cembre.com

