

COPPER TUBE CRIMPING LUGS A-M FINE STRANDED

for extra flexible copper conductors

These lugs are particularly recommended for use with extra flexible conductors on for instance, welding machines. A-M series lugs are designed to suit panel applications. The dimensions of the tube are designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out. Cembre lugs are annealed to guarantee optimum ductility and electrolytically tin plated to avoid oxidation. The presence of an inspection hole facilitates full insertion of the conductor.



CONDUCTOR TABLES IEC 60228:2004-11

CLASS 5

Nominal cross-sectional mm ²	Maximum diameter of wires in conductor mm	Maximum resistance of conductor at 20 °C	
		Plain wires [Ω/km]	Metal-coated wires [Ω/km]
0,5	0,21	39	40,1
0,75	0,21	26	26,7
1	0,21	19,5	20
1,5	0,26	13,3	13,7
2,5	0,26	7,98	8,21
4	0,31	4,95	5,09
6	0,31	3,3	3,39
10	0,41	1,91	1,95
16	0,41	1,21	1,24

25	0,41	0,78	0,795
35	0,41	0,554	0,565
50	0,41	0,386	0,393
70	0,51	0,272	0,277
95	0,51	0,206	0,21
120	0,51	0,161	0,164
150	0,51	0,129	0,132
185	0,51	0,106	0,108
240	0,51	0,08	0,081
300	0,51	0,064	0,065
400	0,51	0,048	0,049
500	0,61	0,038	0,039
630	0,61	0,028	0,029

CLASS 6

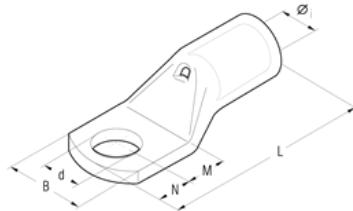
Sezione nominale mm ²	Diametro massimo dei fili mm	Resistenza massima del conduttore a 20 °C	
		Fili nudi [Ohm/km]	Fili rivestiti [Ohm/km]
0,5	0,16	39	40,1
0,75	0,16	26	26,7
1	0,16	19,5	20
1,5	0,16	13,3	13,7
2,5	0,16	7,98	8,21
4	0,16	4,95	5,09

6	0,21	3,3	3,39
10	0,21	1,91	1,95
16	0,21	1,21	1,24
25	0,21	0,78	0,795
35	0,21	0,554	0,565
50	0,31	0,386	0,393
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120	0,31	0,161	0,164
150	0,31	0,129	0,132
185	0,41	0,106	0,108
240	0,41	0,08	0,081
300	0,41	0,064	0,065

COPPER TUBE CRIMPING LUGS **A-M FINE STRANDED**

Technical characteristics

Material (Body)	ETP Copper electrolytically tinned
Material (Seam)	ETP Copper electrolytically tinned



COPPER TUBE CRIMPING LUGS A-M FINE STRANDED

List of products

A9-M Cable type: extra-flexible copper, Maximum section: 35 mm²

Minimum section	35 mm ²
Maximum section	35 mm ²



Type	Ø Stud mm	Øi	B	M	N	L	d	Pack qty	Min. pack qty	Maximum diameter of the stripped cable
A9-M6/15	6 mm	9.3 mm	15 mm	8 mm	7 mm	38.5 mm	6.4 mm	400	100	9.3 mm
A9-M8	8 mm	9.3 mm	17 mm	9 mm	8 mm	40.5 mm	8.4 mm	400	100	9.3 mm
A9-M10	10 mm	9.3 mm	18.5 mm	11 mm	10 mm	44.5 mm	10.5 mm	400	100	9.3 mm
A9-M12	12 mm	9.3 mm	21 mm	14 mm	12 mm	49.5 mm	13.2 mm	300	50	9.3 mm

Products used together

Accessories

INSULATED COVERS ES

ES10-BK	ES10-BR	ES10-BU
ES10-GN	ES10-GY	ES10-PK
ES10-RE	ES10-WH	ES10-YE

Tools

PNB - PNB-1

A12-M *Cable type: extra-flexible copper, Maximum section: 50 mm²*

Minimum section

50 mm²

Maximum section

50 mm²



Type	Ø Stud mm	Øi mm	B mm	M mm	N mm	L mm	d mm	Pack qty	Min. pack qty	Maximum diameter of the stripped cable
A12-M6/15	6 mm	11 mm	15 mm	8 mm	7 mm	40.5 mm	6.4 mm	200	50	11 mm
A12-M8	8 mm	11 mm	19.3 mm	9 mm	8 mm	42.5 mm	8.4 mm	200	50	11 mm
A12-M10	10 mm	11 mm	19.3 mm	11 mm	10 mm	46.5 mm	10.5 mm	200	50	11 mm
A12-M10/19	10 mm	11 mm	19 mm	11 mm	10 mm	46.5 mm	10.5 mm	200	50	11 mm
A12-M12	12 mm	11 mm	22 mm	14 mm	12 mm	51.5 mm	13.2 mm	200	50	11 mm

Products used together

Accessories

INSULATED COVERS ES

ES14-BK	ES14-BR	ES14-BU
ES14-GN	ES14-GY	ES14-PK
ES14-RE	ES14-WH	ES14-YE

Tools

PNB - PNB-1

A17-M *Cable type: extra-flexible copper, Maximum section: 70 mm²*

Minimum section

 70 mm²

Maximum section

 70 mm²


Type	Ø Stud mm	Øi mm	B mm	M mm	N mm	L mm	d mm	Pack qty	Min. pack qty	Maximum diameter of the stripped cable
A17-M6	6 mm	13 mm	23 mm	8 mm	7 mm	45 mm	6.4 mm	200	50	13 mm
A17-M8	8 mm	13 mm	23 mm	9 mm	8 mm	47 mm	8.4 mm	150	50	13 mm
A17-M10	10 mm	13 mm	23 mm	11 mm	10 mm	51 mm	10.5 mm	150	50	13 mm
A17-M10/19	10 mm	13 mm	19 mm	11 mm	10 mm	51 mm	10.5 mm	200	50	13 mm
A17-M12	12 mm	13 mm	23 mm	14 mm	12 mm	56 mm	13.2 mm	150	50	13 mm
A17-M14	14 mm	13 mm	25 mm	15.5 mm	12 mm	57.5 mm	15 mm	150	25	13 mm
A17-M16	16 mm	13 mm	27 mm	16.5 mm	13.5 mm	60 mm	17 mm	150	25	13 mm

Products used together

Accessories

INSULATED COVERS ES

ES19-BK	ES19-BR	ES19-BU
ES19-GN	ES19-GY	ES19-PK
ES19-RE	ES19-WH	ES19-YE

A20-M *Cable type: extra-flexible copper, Maximum section: 95 mm²*

Minimum section

 95 mm²

Maximum section

 95 mm²


Type	Ø Stud mm	Øi mm	B mm	M mm	N mm	L mm	d mm	Pack qty	Min. pack qty	Maximum diameter of the stripped cable
A20-M8	8 mm	15 mm	27 mm	9 mm	8 mm	50 mm	8.4 mm	100	25	15 mm
A20-M10	10 mm	15 mm	27 mm	11 mm	10 mm	54 mm	10.5 mm	100	25	15 mm
A20-M12	12 mm	15 mm	27 mm	14 mm	12 mm	59 mm	13.2 mm	100	25	15 mm
A20-M14	14 mm	15 mm	27 mm	15.5 mm	12 mm	60.5 mm	15 mm	100	25	15 mm
A20-M16	16 mm	15 mm	27 mm	16.5 mm	13.5 mm	63 mm	17 mm	100	25	15 mm

Products used together

Accessories

INSULATED COVERS ES

ES24-BK	ES24-BR	ES24-BU
ES24-GN	ES24-GY	ES24-PK
ES24-RE	ES24-WH	ES24-YE

A29-M *Cable type: extra-flexible copper, Maximum section: 120 mm²*

Minimum section 120 mm²
 Maximum section 120 mm²



Type	Ø Stud mm	Øi	B	M	N	L	d	Pack qty	Min. pack qty
A29-M8	8 mm	16.5 mm	30 mm	9 mm	8 mm	53.5 mm	8.4 mm	100	25
A29-M10	10 mm	16.5 mm	30 mm	11 mm	10 mm	57.5 mm	10.5 mm	100	25
A29-M12	12 mm	16.5 mm	30 mm	14 mm	12 mm	62.5 mm	13.2 mm	100	25
A29-M14	14 mm	16.5 mm	30 mm	15.5 mm	12 mm	64 mm	15 mm	100	25
A29-M16	16 mm	16.5 mm	30 mm	16.5 mm	13.5 mm	66.5 mm	17 mm	100	25
A29-M20	20 mm	16.5 mm	30 mm	22 mm	20 mm	78.5 mm	21 mm	75	25

Products used together

Accessories

INSULATED COVERS ES

ES30-BK	ES30-BR	ES30-BU
ES30-GN	ES30-GY	ES30-PK
ES30-RE	ES30-WH	ES30-YE

A35-M *Cable type: extra-flexible copper, Maximum section: 150 mm²*

Minimum section

 150 mm²

Maximum section

 150 mm²


Type	Ø Stud mm	Øi	B	M	N	L	d	Pack qty	Min. pack qty
A35-M10	10 mm	19.2 mm	34.2 mm	13 mm	11 mm	65.5 mm	10.5 mm	50	25
A35-M12	12 mm	19.2 mm	34.2 mm	16 mm	14 mm	71.5 mm	13.2 mm	50	25
A35-M14	14 mm	19.2 mm	34.2 mm	18 mm	16 mm	75.5 mm	15 mm	50	25
A35-M16	16 mm	19.2 mm	34.2 mm	19 mm	17 mm	77.5 mm	17 mm	50	25
A35-M20	20 mm	19.2 mm	34.2 mm	22 mm	20 mm	83.5 mm	21 mm	50	25

Products used together

Accessories

INSULATED COVERS ES

ES37-BK	ES37-BR	ES37-BU
ES37-GN	ES37-GY	ES37-PK
ES37-RE	ES37-WH	ES37-YE

A40-M *Cable type: extra-flexible copper, Maximum section: 185 mm²*

Minimum section

 185 mm²

Maximum section

 185 mm²


Type	Ø Stud mm	Øi	B	M	N	L	d	Pack qty	Min. pack qty
A40-M10	10 mm	21 mm	37.5 mm	13 mm	11 mm	73 mm	10.5 mm	30	15
A40-M12	12 mm	21 mm	37.5 mm	16 mm	14 mm	79 mm	13.2 mm	30	15
A40-M14	14 mm	21 mm	37.5 mm	18 mm	16 mm	83 mm	15 mm	30	15
A40-M16	16 mm	21 mm	37.5 mm	19 mm	17 mm	85 mm	17 mm	30	15
A40-M20	20 mm	21 mm	37.5 mm	22 mm	20 mm	91 mm	21 mm	30	15

Products used together

Accessories

INSULATED COVERS ES

ES40-BK	ES40-BR	ES40-BU
ES40-GN	ES40-GY	ES40-PK
ES40-RE	ES40-WH	ES40-YE