3871.**
UP-MATE SERIES · MALES

Specification Males to connect to UP-MATE Receptacles

Wire size mm² (AWG) 0,8-2 (18-14)

Ø Insulation (mm) 2,3-3,6

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (ºC)
3871.00	Brass	Natural	110
3871.01	Brass	Pre-tin-plated	120
3871.02	Brass	Tin plated	120

Material thickness (mm) 0,5

Insertion / Withdrawal forces

	3871.00 / 01 / 02
1st insertion (max - Counterpart tickness = 0.32mm)	12N[1]
1st withdrawal (min - Counterpart tickness = 0.32mm)	25N[1]
1st insertion (max - Counterpart tickness = 0.40mm)	18N[2]
1st withdrawal (min - Counterpart tickness = 0.40mm)	35N[2]

[1] Valid for 6900.**
[2] Valid for 6901.**, 6902.**, 6904.**, 6906.**, 6908.**

Application tool MN3871

Crimping parameters & pull out force

Wire section (±10%)	Conductor		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)	Width (mm)	
0.80 mm²	1.75 (±0.05)	2.69 (±0.05)	3.67 (±0.10)	-
1.00 mm²	1.80 (±0.05)	2.70 (±0.05)	3.69 (±0.10)	108N @ 60s
1.50 mm²	1.95 (±0.05)	2.72 (±0.05)	3.70 (±0.10)	150N @ 60s
2.00 mm²	2.10 (±0.05)	2.74 (±0.05)	3.71 (±0.10)	150N @ 60s

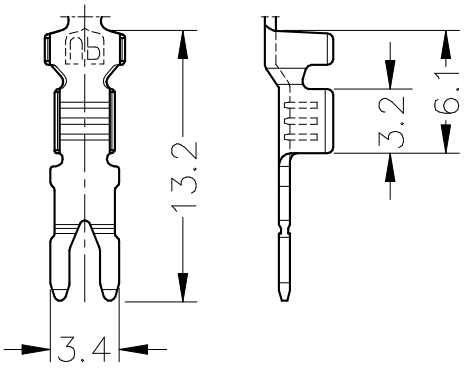
Values only valid for the application tool specified upwards. The insulator widths are only indicative as they are dependent on the sheath thickness of the wire used.

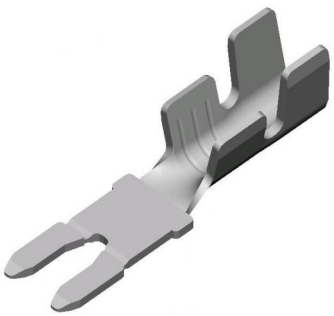
Winding number 9000

Approvals

RoHS

Drawing





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Disclaimer

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Rev. Nr.	Concept	Date	Created/Revised	Approved
A2	Update data	2022-12-15	D. Yabar (Engineering Dept.)	E. Roura (Laboratory Dept.)
A1	Concepte: Datasheet gerenated automatically [A1]	2022-09-15	D. Yabar (Engineering Dept.)	E. Roura (Laboratory Dept.)

Escubedo Connection Systems, S.A.U. · Ctra. de Girona-Olot Km. 35,5 · 17843 Riudellots de la Creu · Girona · Spain
Tel.: 34 972 171 706 · Fax: +34 972 171 714 · info@escubedo.com · www.escubedo.com