

## 8512.\*\* CYLINDRICAL TERMINALS · RECEPTACLES



For male (mm) Ø 2

Wire size mm<sup>2</sup> (AWG) 0,5-1,5 (20-16)

Ø Insulation (mm) 2,3-3,3

### Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (°C)
8512.00	Brass	Natural	110
8512.02	Brass	Tin plated	120
8512.24	Steel	Nickel-plated	300
8512.30	Bronze	Natural	120
8512.32	Bronze	Tin plated	130

Material thickness (mm) 0,3

### Max. rated current

Wire section	8512.00 / 02 / 24 / 30 / 32
0.50 mm <sup>2</sup>	6A
0.75 mm <sup>2</sup>	8A
1.00 mm <sup>2</sup>	8A
1.50 mm <sup>2</sup>	10A


### Insertion / Withdrawal forces

	8512.00 / 02 / 30 / 32	8512.24
1st Insertion (max)	30N	40N
1st Withdrawal (max)	30N	30N
6th Withdrawal (min)	10N	10N

Application tool MN8512

Wire strip length 4.0 (±0.3) mm

### Crimping parameters & pull out force

Wire section (±10%)	Conductor 		Insulator	Pull-out force (N)
	Height (mm)	Width (mm)		
0.50 mm <sup>2</sup>	1.20 (±0.03)	2.24 (±0.03)	3.58 (±0.10)	56N @ 60s
0.75 mm <sup>2</sup>	1.30 (±0.05)	2.25 (±0.05)	3.59 (±0.10)	84N @ 60s
1.00 mm <sup>2</sup>	1.40 (±0.05)	2.27 (±0.05)	3.60 (±0.10)	108N @ 60s
1.50 mm <sup>2</sup>	1.55 (±0.05)	2.28 (±0.05)	3.62 (±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 14000

### Approved regulations

Part nr.	Approval	Standard	File	Certified framework
8512.00	UL	UL 486A-486B	E232316	AWG 20-16 (10-26 Stranded Cu) / MN8512
8512.02	UL	UL 486A-486B	E232316	AWG 20-16 (10-26 Stranded Cu) / MN8512
8512.24	UL	UL 486A-486B	E232316	AWG 20-16 (10-26 Stranded Cu) / MN8512

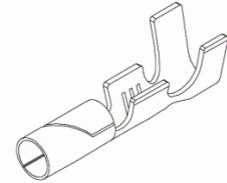
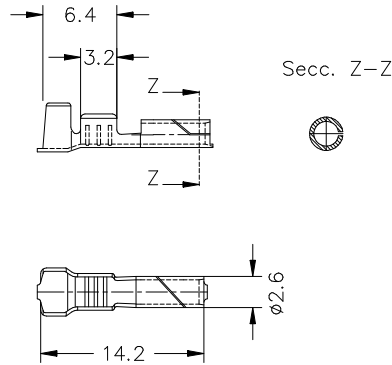
### Approvals



## 8512.\*\* CYLINDRICAL TERMINALS · RECEPTACLES



Drawing



### Disclaimer

Data obtained from Escubedo Laboratory essays, using own methodology, cablings, equipment and original crimping tools, done in laboratory conditions and following the indicated standards, errors and omissions excepted. This document has no contractual meaning and it is publicised only for informative purposes. It can be changed without prior notice. The end customer has the sole responsibility to check these characteristics in its environment and with its own components, manufacturing methods and equipment. See also the full range product overview if available. For further information please visit our web site or contact us

Rev. Nr.	Concept	Date	Created/Revised	Approved
A5	Change company name and logo	2021-10-21	M.Codina (Engineering dept.)	E.Roura (Laboratory dept.)
A4	1st Insertion Force for steel updated	2021-01-18	M.Codina (Engineering dept.)	E.Roura (Laboratory dept.)
A3	Update	2019-09-24	E. Roura (Laboratory Dept.)	M. Codina (Engineering Dept.)
A2	Update - wire strip length	2019-09-20	Laboratory Dept.	E. Roura
A1	Datasheet generated automatically [A1]	2018-10-04	Laboratory Dept.	E. Roura