

## 8510.\*\* CYLINDRICAL TERMINALS · FLAGS



**For male (mm)**                    Ø 2

**Wire size mm<sup>2</sup> (AWG)**        0,75-1,7 (18-16)

**Ø Insulation (mm)**            2,3-3,3

**Materials, temperature  
and contact resistance**

Part nr.	Material	Finishing	Max. Temp. (°C)
8510.24	Steel	Nickel-plated	300

**Material thickness (mm)**      0,3

**Max. rated current**

Wire section	8510.24
0.75 mm <sup>2</sup>	8A
1.00 mm <sup>2</sup>	8A
1.50 mm <sup>2</sup>	10A



**Insertion / Withdrawal  
forces**

	8510.24
1st Insertion (max)	40N
1st Withdrawal (max)	30N
6th Withdrawal (min)	10N

**Application tool**                MN8510

**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)	Width (mm)	
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**                5000

**Approved regulations**

Part nr.	Approval	Standard	File	Certified framework
8510.24	UL	UL 486E	E532399	AWG 18-16 (Cu) / MN8516

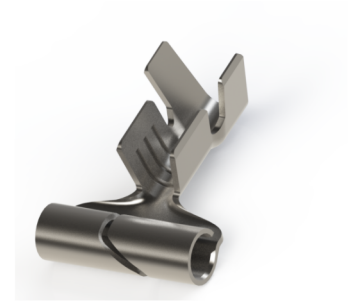
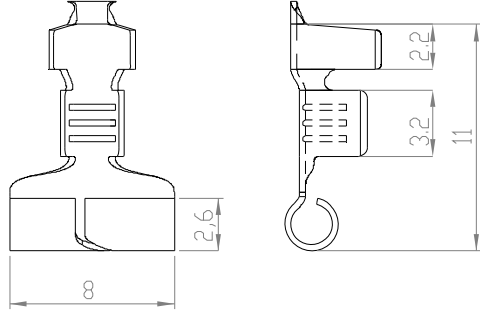
**Approvals**



**8510.\*\***  
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**Drawing**



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Rev. Nr.	Concept	Date	Created/Revised	Approved
A5	Add approvals and regulations (UL 486E)	2023-03-24	E. Roura (Laboratory Dept.)	D. Yabar (Engineering Dept.)
A4	Change company name and logo	2021-10-21	M.Codina (Engineering dept.)	E.Roura (Laboratory dept.)
A3	1st Insertion Force for steel updated	2021-01-18	M.Codina (Engineering dept.)	E.Roura (Laboratory dept.)
A2	Update Image	2019-12-03	M.Codina (Engineering Dept.)	E.Roura (Laboratory Dept.)
A1	Datasheet created automatically [A1]	2019-09-24	E. Roura (Laboratory Dept.)	M. Codina (Engineering Dept.)