ESCUBEDO CONNECTION SYSTEMS

PRODUCT DATASHEET

8516.**
CYLINDRICAL TERMINALS · FLAGS

Specification Standard Terminals

Ø (mm) 2

Wire size mm² (AWG) 0,75-1,5 (18-16)

Ø Insulation (mm) 1,8-2,5

Materials, temperature and contact resistance

Part nr.	Material	Finishing	Max. Temp. (ºC)
8516.00	Brass	Natural	110
8516.01	Brass	Pre-tin-plated	120
8516.30	Bronze	Natural	120
8516.31	Bronze	Pre-tin-plated	130
8516.24	Steel	Nickel-plated	300
8516.70	German Silver	Natural	210

Material thickness (mm) 0,3

Max. rated current

Wire section	8516.00 / 01 / 30 / 31 / 24 / 70
0.75 mm²	8A
1.00 mm²	8A
1.50 mm²	10A

Insertion / Withdrawal forces

	8516.00 / 01 / 30 / 31 / 70	8516.24
1st Insertion (max)	30N	40N
1st Withdrawal (max)	30N	30N
6th Withdrawal (min)	12N	12N

Application tool MN8516

Wire strip length 3.8 (±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 mm²	1.35 (±0.05)	2.25 (±0.05)	3.20 (±0.10)	84N @ 60s
1.00 mm²	1.40 (±0.05)	2.26 (±0.05)	3.20 (±0.10)	108N @ 60s
1.50 mm²	1.60 (±0.05)	2.28 (±0.05)	3.20 (±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 6000

Approved regulations

Part nr.	Approval	Standard	File	Certified framework
8516.24	UL	UL 486E	E532399	AWG 18-16 (Cu) / MN8516

Approvals

RoHS

c UL us

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

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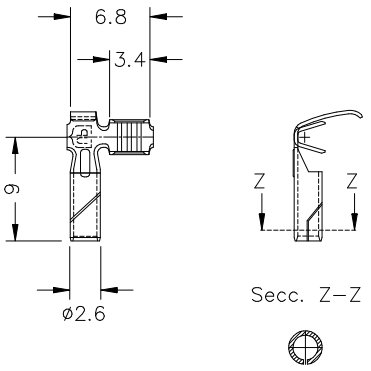
Drawing



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
A4	Add approvals and regulations (UL 486E)	2023-03-24	E. Roura (Laboratory Dept.)	D. Yabar (Engineering Dept.)
A3	Change company name and logo	2021-10-21	M.Codina (Engineering dept.)	E.Roura (Laboratory dept.)
A2	1st Insertion Force for steel updated	2021-01-18	M.Codina (Engineering dept.)	E.Roura (Laboratory dept.)
A1	Datasheet generated automatically [A1]	2018-10-04	Laboratory Dept.	E. Roura

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