
Aeronavtika - Dodatki za okrogle in pravokotne električne in optične konektorje - 009. del: Kabelska spojka, tip J, ravna, tesnjena, za toplotno skrčljive dele - Standard za proizvod

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 009: Cable outlet, style J, straight, sealed, for heat shrinkable boot - Product standard

Luft- und Raumfahrt - Endgehäuse für elektrische und optische Rund- und Rechtecksteckverbinder - Teil 009: Endgehäuse, Bauform J, gerade, abgedichtet, für wärmeschrumpfende Bauteile - Produktnorm

Série aérospatiale - Accessoires arrière pour connecteurs circulaires et rectangulaires électriques et optiques - Partie 009 : Adaptateur, style J, droit, étanche, pour pièce moulée thermorétractable - Norme de produit

Ta slovenski standard je istoveten z: EN 3660-009:2007

ICS:

49.060

Letalska in vesoljska
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Aerospace electric
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EUROPEAN STANDARD

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English Version

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 009: Cable outlet, style J, straight, sealed, for heat shrinkable boot - Product standard

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This European Standard was approved by CEN on 28 September 2006.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

[SIST EN 3660-009:2009](https://standards.iteh.ai/catalog/standards/sist/09c22f75-4b68-40be-b96b-17464b875c7c/en-3660-009-2009)

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Foreword

This document (EN 3660-009:2007) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2008, and conflicting national standards shall be withdrawn at the latest by January 2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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EN 3660-009:2007 (E)**1 Scope**

This product standard defines a range of cable outlets, style J, straight, sealed, light duty, for heat shrinkable boots, (non-conductive or conductive), for use under the following conditions:

Associated electrical connector(s)	:	EN 3660-002
Temperature range, Class N	:	– 65 °C to 200 °C
Class W	:	– 65 °C to 175 °C
Class K	:	– 65 °C to 260 °C

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 2591-*, *Aerospace series — Elements of electrical and optical connection — Test methods —*

EN 3660-001, *Aerospace series — Cable outlet accessories for circular and rectangular electrical and optical connectors — Part 001: Technical specification.*

EN 3660-002, *Aerospace series — Cable outlet accessories for circular and rectangular electrical and optical connectors — Part 002: Index of product standards.*

AS 85049A, *Connector accessories, electrical general specification for.*¹⁾

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 3660-001 apply.

4 Characteristics**4.1 Dimensions and mass**

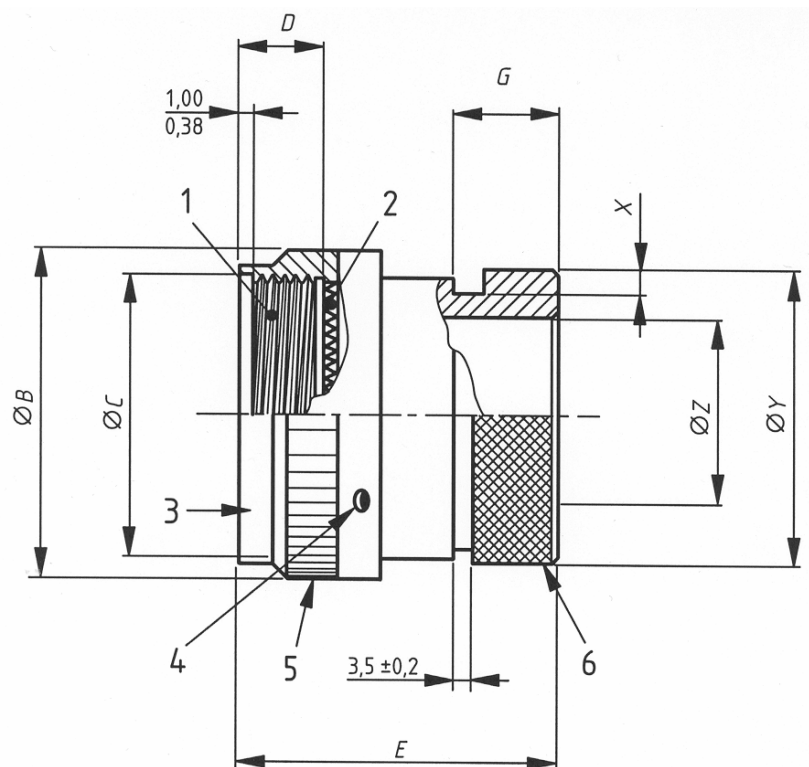
For dimensions and mass, see Figure 1 and Table 1.

For interface dimensions see 4.2.

Dimensions are in millimetres.

* All its parts quoted in this standard.

1) Published by: Department of Defense (DOD), the Pentagon, Washington, DC 20301, USA

**Key**

- 1 A thread
- 2 N teeth
- 3 Manufacturer's mark and part number
- 4 Three equally spaced holes large enough to fit safety wire of maximum diameter 0.8 mm
- 5 Knurled manufacturer's option
- 6 Medium diamond knurl

NOTE Coupling nut to be captive on cable outlet body but free to rotate.

Figure 1**Table 1**

Shell size	A Thread class 2B inches	Ø B 0 - 1,14 mm	Ø C + 0,64 0 mm	D 0 - 0,56 mm	E max. mm	G max. mm	X + 0,20 0 mm	Ø Y max. mm	Ø Z min. mm	Mass max.	
										Classes N & W g	Class K g
08	0.500-20 UNF	15,67	12,74	7,75	30,20	11,2	1,12	13,54	6,35	6,0	18,0
10	0.625-24 UNEF	18,64	15,88	7,75	30,20	11,2	1,12	15,37	9,02	7,5	22,5
12	0.750-20 UNEF	21,79	19,05	7,75	30,20	11,2	1,12	19,66	12,47	10,0	30,0
14	0.875-20 UNEF	24,99	22,23	7,75	30,20	11,2	1,12	21,29	14,35	12,0	36,0
16	1.000-20 UNEF	28,24	25,40	7,75	30,20	11,2	1,12	24,46	17,53	15,5	46,5
18	1.063-18 UNEF	30,94	27,00	7,75	30,20	11,2	1,12	26,47	19,53	17,0	51,0
20	1.188-18 UNEF	34,16	30,18	7,75	30,20	11,2	1,75	30,91	22,71	20,0	60,0
22	1.313-18 UNEF	37,29	33,35	7,75	30,20	11,2	1,75	34,42	25,88	24,5	73,5
24	1.438-18 UNEF	40,46	36,53	7,75	30,20	11,2	1,75	36,65	28,80	42,5	127,5
28	1.750-18 UNS	50,01	44,45	7,75	30,20	11,2	1,75	43,41	34,77	55,5	166,5

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4.2 Interface dimensions

4.2.1 Associated connector

See EN 3660-002.

4.2.2 Variant A – Standard AS85049 interface

See Figure 2, Figure 3 and Table 2.

All dimensions in millimetres.

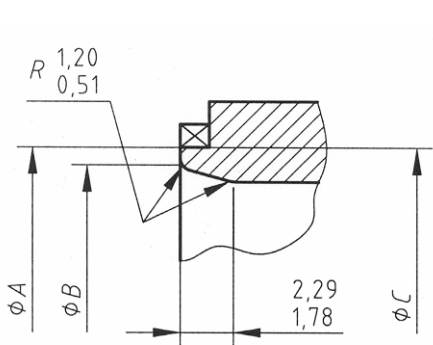


Figure 2

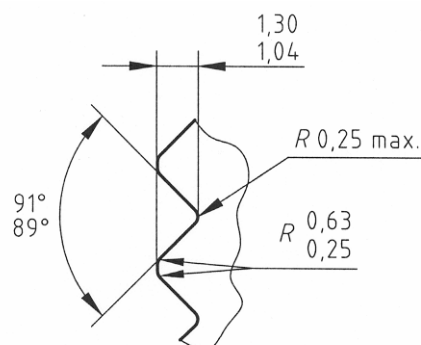


Figure 3

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Table 2

Shell size	ϕA 0 -0,38 mm	ϕB +0,38 0 mm	ϕC 0 -0,25 mm	N Number of teeth
08	9,14	7,59	6,86	12
10	12,55	11,00	9,53	15
12	15,50	13,94	12,98	21
14	18,67	17,12	14,86	24
16	21,84	20,29	18,03	30
18	23,27	22,07	20,04	33
20	26,44	25,25	23,22	36
22	29,62	28,42	26,39	39
24	32,80	31,60	29,31	42
28	38,40	37,31	35,28	54

4.2.3 Variant B – Modified AS85049 interface

See Figure 4, Figure 5 and Table 3.

All dimensions in millimetres

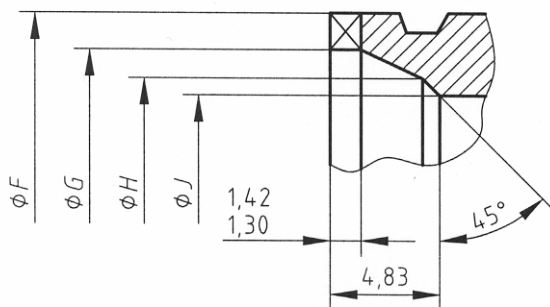


Figure 4
Class K only

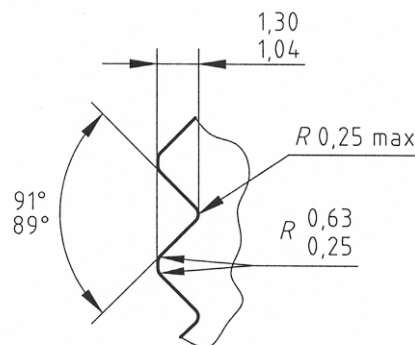


Figure 5

Table 3

Shell size	ϕF Ref. mm	ϕG + 0,13 - 0,13 mm	ϕH + 0,18 - 0,18 mm	ϕJ 0 - 0,25 mm	N Number of teeth
08	11,10	9,17	6,68	6,86	12
10	14,53	11,10	9,35	9,53	15
12	17,45	14,83	12,62	12,80	21
14	20,62	17,22	15,98	14,86	24
16	23,80	20,55	17,73	17,93	30
18	25,20	22,48	21,46	20,04	33
20	28,37	25,53	25,02	23,22	36
22	31,55	29,01	27,61	26,39	39
24	34,72	32,46	31,62	29,31	42
28	42,75	38,91	37,97	35,28	54

4.3 Material and finish

Material/Finish Class N : Aluminium/Electroless Nickel

Material/Finish Class W : Aluminium/Olive Drab Cadmium Plate

Material/Finish Class K : Stainless steel/Passivated