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МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ

Aircraft — Nickel-chromium and nickel-aluminium thermocouple extension cables —

Part 3:
Crimp-type ring terminal ends — Dimensions

Aéronefs — Câbles de compensation de couples thermoélectriques en nickel-chrome et en nickel-aluminium —

Partie 3: Cosses rondes du type à sertir — Dimensions

Reference number
ISO 8056-3 : 1987 (E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8056-3 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles.*

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

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Part 3:
Crimp-type ring terminal ends — Dimensions

0 Introduction

This International Standard on nickel-chromium and nickel-aluminium thermocouple extension cables for use in aircraft comprises the following four parts:

Part 1: Conductors — General requirements and tests.

Part 2: Terminations — General requirements and tests.[1)]

Part 3: Crimp-type ring terminal ends — Dimensions.

Part 4: Crimp-type butt connectors — Dimensions.

1 Scope and field of application

This part of ISO 8056 lays down the dimensions for crimp-type ring terminal ends for use in aircraft temperature indicator and control systems with flexible thermocouple extension cables of the nickel-chromium and nickel-aluminium types at a nominal voltage of 600 V and a maximum frequency of 2 000 Hz.

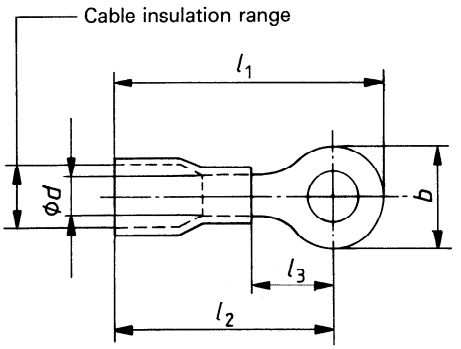
NOTE — The general requirements and tests for terminations are specified in ISO 8056-2.

2 Dimensions, conductor size range and cable insulation range

The dimensions, conductor size range and cable insulation range shall be in accordance with the values given in the table.

1) At present at the stage of draft.

Table — Dimensions, conductor size range and cable insulation range



Code	Type	Conductor size range		Stud hole ±0,1	Cable insulation range	b max.	d	l_1 max.	l_2 max.	l_3 min.	Colour code on sleeve; magnetic/antimagnetic
		mm²	AWG[1]	mm	mm	mm	mm	mm	mm	mm	
A	Ni-Al	0,5 to 1,5	22 to 16	3,7	2,7 to 3,5	7,9	$1,6^{+0,25}_{0}$	19,8	15,9	7,1	**Ni-Al**: green; magnetic **Ni-Cr**: grey; antimagnetic
B	Ni-Cr										
C	Ni-Al			4,3							
D	Ni-Cr										
E	Ni-Al			5,0 (5,3)[2]							
F	Ni-Cr			6,0 (6,3)[2]							
G	Ni-Al	1,3 to 2,1	16 to 14	3,7	3,5 to 5,0	8,7	$2,2^{+0,25}_{0}$	20,3	15,9	7,1	
H	Ni-Cr										
J	Ni-Al			4,3							
K	Ni-Cr										
L	Ni-Al			5,0 (5,3)[2]							
M	Ni-Cr										
N	Ni-Al	3,1 to 5,3	12 to 10	4,3	3,8 to 5,8	9,5	$3,3^{+0,3}_{0}$	25	20,2	7,1	
P	Ni-Cr										
R	Ni-Al			5,0 (5,3)[2]							
S	Ni-Cr										

1) American Wire Gauge.
2) For metric screws M5 and M6.

UDC 621.315.2 : 621.362.2 : 629.7

Descriptors : aircraft, aircraft equipment, thermocouples, electric extension wires, terminal connectors, dimensions.

Price based on 2 pages