
ICS 29.180

English Version

**Safety of transformers, reactors, power supply units and
combinations thereof - Part 1: General requirements and tests
(IEC 61558-1:2017/COR1:2025)**

Sécurité des transformateurs, bobines d'inductance, blocs
d'alimentation et des combinaisons de ces éléments -
Partie 1: Exigences générales et essais
(IEC 61558-1:2017/COR1:2025)

Sicherheit von Transformatoren, Netzgeräten, Drosseln und
entsprechenden Kombinationen - Teil 1: Allgemeine
Anforderungen und Prüfungen
(IEC 61558-1:2017/COR1:2025)

This corrigendum becomes effective on 9 January 2026 for incorporation in the English language version of the EN.



European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Endorsement notice

The text of the corrigendum IEC 61558-1:2017/COR1:2025 was approved by CENELEC as EN IEC 61558-1:2019/AC:2026-01 without any modification.

INTERNATIONAL ELECTROTECHNICAL COMMISSION
COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

IEC 61558-1
Edition 3.0 2017-09

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units and combinations thereof -**

Part 1: General requirements and tests

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combinaisons de ces éléments -**

Partie 1: Exigences générales et essais

CORRIGENDUM 1

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

19.12 Winding construction

Replace the existing fourth paragraph of 19.12.3 starting with "For spirally wrapped insulation..." with the following new text and new Figure 15:

For spirally wrapped insulation, the measured **creepage distances and clearances** between layers, shall be those given in Clause 26.

If the measured **creepage distances and clearances** along the path between layers are higher than those for P2 in accordance with Table 21 and Table 22 no additional test according to 26.2.4 – Test A, and 26.2.5.1 – Test B is required. The test voltages of the type tests in Clause K.2 shall be applied with the conditions of K.2.5.

If the measured **creepage distances and clearances** are higher or equal than those for P1 and smaller than those for P2 in accordance with Table 21 and Table 22 the path between layers shall be sealed against ingress of dust and moisture, as described in 26.2.5.1 – Test B. The test voltages of the type tests in Clause K.2 shall be applied with the conditions of K.2.5.

If the measured **creepage distances and clearances** are less than those for P1 in accordance with Table 21, the path between layers shall be sealed as for a cemented joint in 26.2.4. This shall be tested in accordance with 26.2.4 – Test A with wires in usual delivery conditions. The test voltages of the type tests in Clause K.2 shall be applied with the conditions of K.2.5.

The principle for insulated spirally wrapped winding wires for 1 000 V AC for reinforced insulation is shown in Figure 15.

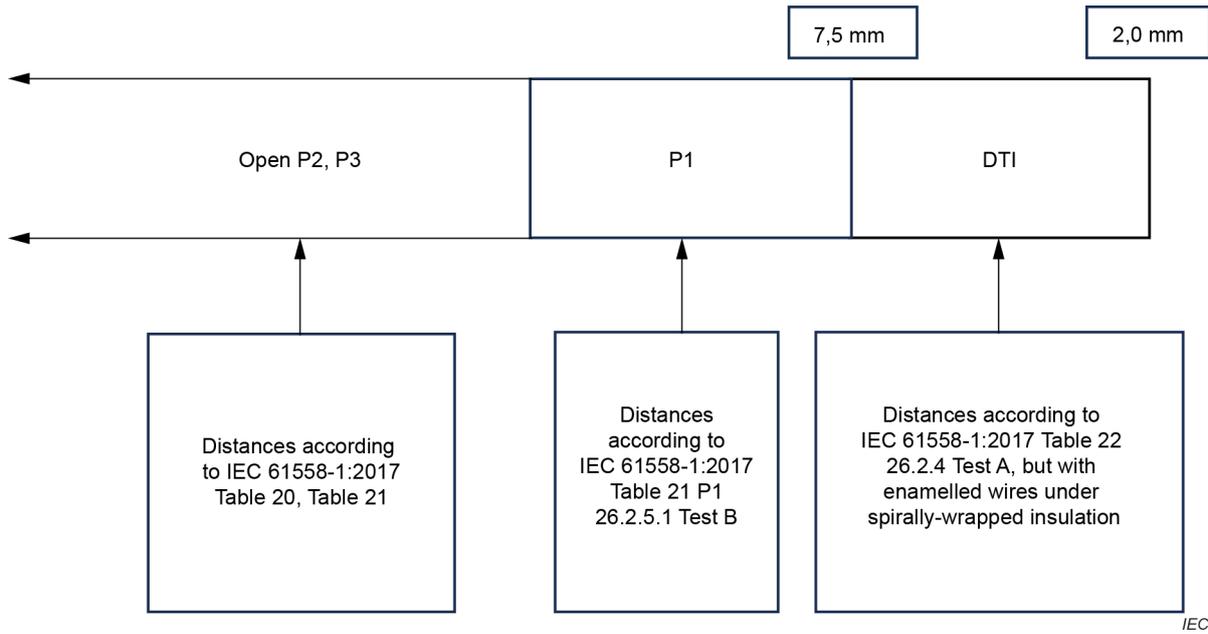


Figure 15 – Explanation of insulated spirally wrapped winding wires for 1 000 V AC for reinforced insulation