



SLOVENSKI STANDARD
SIST EN 50678:2020/AC:2021

01-julij-2021

Splošni postopek preverjanja učinkovitosti zaščitnih ukrepov za električno opremo po popravilu

General procedure for verifying the effectiveness of the protective measures of electrical equipment after repair

Allgemeines Verfahren zur Überprüfung der Wirksamkeit der Schutzmaßnahmen von Elektrogeräten nach der Reparatur

Procédure générale visant à vérifier l'efficacité des mesures de protection des équipements électriques après réparation

ITEH STANDARD PREVIEW
(standards.iteh.ai)
SIST EN 50678:2020/AC:2021
<https://standards.iteh.ai/catalog/standards/sist/8c5b84e4-1739-47dd-aa54-50e80386eb1/sist-en-50678-2020-04>

Ta slovenski standard je istoveten z: EN 50678:2020/AC:2021-04

ICS:

17.220.20	Merjenje električnih in magnetnih veličin	Measurement of electrical and magnetic quantities
-----------	---	---

SIST EN 50678:2020/AC:2021 **en,fr**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 50678:2020/AC:2021](https://standards.iteh.ai/catalog/standards/sist/8c5b84e4-1739-47dd-aa54-f50a80386cb1/sist-en-50678-2020-ac-2021)

<https://standards.iteh.ai/catalog/standards/sist/8c5b84e4-1739-47dd-aa54-f50a80386cb1/sist-en-50678-2020-ac-2021>



Corrigendum to EN 50678:2020

English version

Replace the formula in 5.3, "Measurement of protective bonding resistance" with the following formula:

"For cross section areas above 1,5 mm² and other cable lengths the limit shall be calculated by the following formula:

$$R = \rho \frac{l}{A} + 0,1\Omega \text{ or } R = \frac{l}{\kappa A} + 0,1\Omega$$

where

R is the electrical resistance (Ω);

ρ is the standard value of electrical resistivity ($\Omega \text{ mm}^2/\text{m}$) for the metal used for the PE conductor;

l is the length of the cable in meters (m);

A is the cross-sectional area of the conductor in square millimetres (mm²);

κ is the electrical conductivity (m/($\Omega \text{ mm}^2$)).

NOTE 2 The value of 0,1 Ω in the equation above considers the influence of the contact resistance."