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Acceptance Requirements

Copper Cabling Systems revised 07/2022

Alexander Kölbel
+49 6190 8880 - 40
alexander.koelbel@datwyler.com

Dätwyler IT Infra GmbH, Auf der Roos 4-12, 65795 Hattersheim, Germany

T +49 6190 8880-0, F +49 6190 8880-80, info.itinfra.de@datwyler.com, www.ITinfra.datwyler.com

Dätwyler IT Infra GmbH, Lilienthalstraße 17, 85399 Hallbergmoos, Germany

T +49 811 998633-0, F +49 811 998633-30, info.itinfra.de@datwyler.com, www.ITinfra.datwyler.com

Dätwyler IT Infra GmbH, Niederlassung Österreich, Liebermannstraße A02 403, 2345 Brunn am Gebirge, Austria

T +43 1 8101641-0, F +43 1 8101641-35, info.itinfra.at@datwyler.com, www.ITinfra.datwyler.com

Managing Directors: Susanne Keller-Petri, Ralf Klotzbücher

HRB 84724, Amtsgericht Frankfurt am Main, UST-ID-Nr. DE128947927 / ATU63707901

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1 Acceptance of the Installation

The acceptance of the installation must be carried out according to the measurement setup specified for the respective class / category.

The requirements of the standard chosen for the installation must be observed.

The acceptance must be carried out with the measuring instruments approved by Datwyler. Measurement results of the entire installation which do not correspond to the specified test setup are not valid.

Measurement results of not approved test equipment are not valid.

2 Calibration of Measurement Equipment / Measuring Adapters

The measurement equipment must be calibrated regularly by the service of the manufacturer. The last calibration has to be carried out within the past 15 months before the date of the acceptance measurements. It is not allowed to use measuring adapters which are exceeding the permissible number of mate cycles according to the manufacturer.

3 Measurements / Values

The values are to be measured and delivered with the setting corresponding to the standard. The measured values supplied for the measurement of the transmission distances must correspond to the limit values stated in the standard.

The measured data is to be stored with graphics of the measured values.

The measured values must be submitted in the original format of the measuring device.

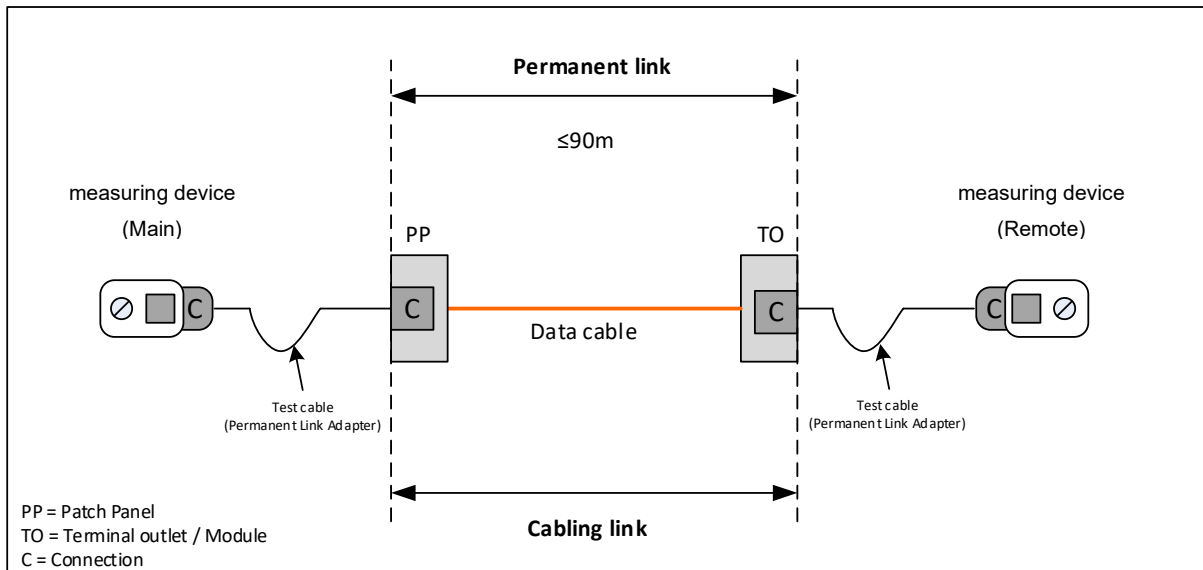
PASS measurements marked with (*) are accepted. FAIL measurements marked with (*) are not accepted.

The measurement data must be loaded onto the Datwyler Sharefile system. The upload link of the Datwyler Sharefile system is indicated in the registration form.

4 Applicable standards

- EN 50173-1:2011
- ISO/IEC 11801:2017
- TIA/EIA 568 C.2

5 Acceptance Permanent Link – test setup



6 Approved measuring devices

The following measuring devices are approved for the acceptance measurements:

- Fluke DSX Series

With the required permanent link adapters

- IDEAL Lantek 6/6A/7G

- IDEAL Lantek II

- IDEAL Lantek III

- IDEAL Lantek IV

With the required measuring cables / permanent-link adapters

- Softing WireXpert 500

- Softing WireXpert 4500

With the required permanent link adapters

- Viavi Certifier10G

- Viavi Certifier40G

With the required permanent link adapters

(Technical changes reserved)

7 Settings of the Measuring Device

- class / category

- NVP according to cable imprint

- measured standard PL, PL2, PL3

- cable type (shielded / unshielded)