



valid until: May 27, 2031

Fraunhofer

TESTED[®] DEVICE

igus SE & Co. KG
E6.52.100.075.0.ESD.LW
Report No. IG 2504-1622

Single product Electrical Resistance

Qualification Certificate

This is to certify that the product mentioned above, provided by

igus SE & Co. KG
Cologne, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number IG 2504-1622.

The cable guiding system E6.52.100.075.0.ESD.LW E6 of series ESD (color: black and gray) was examined for its electrical resistance at representative points based on IEC 61340-2-3. The maximum mean value lies below the designated limit value of $1 \times 10^{11} \Omega$ for ESD protective elements without contact potential with ESDS.

| Resistance type | Max. σ -value [Ω] | Threshold [Ω] | Compliance with limit value |
|--|-----------------------------------|------------------------|-----------------------------|
| Point-to-point resistance (R_{p-p}) potential contact with ESDS | not applicable | 1.0×10^9 | -- |
| Point-to-point resistance (R_{p-p}) no potential contact with ESDS | 9.4×10^{11} | 1.0×10^{11} * | not fulfilled |

*To avoid electrostatical phenomenons it is recommended to measure the electrostatic field at the place where the ESDS are handled. If it exceeds 5000V/m, it is recommended to use charge reducing techniques.

This document only applies to the named product in its original state and is valid for a period of 5 years from the date the first document was issued. The document can be verified under www.tested-device.com.

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.

The norms stated generally refer to the version valid at the time of the tests.

DUPLICATED

IG 2504-1622 _____ Stuttgart, May 27, 2026 _____
Report No. first document Place, date of first document issued

-- _____ -- _____
Report No. current document Place, current date

on behalf of 
Dr.-Ing. Frank Bürger, head of business unit Testing and Certification