

## Fraunhofer

## TESTED<sup>®</sup> DEVICE

igus GmbH chainflex CFLG.LB

Report No. IG 2405-1526

## Product series Particle Emission in Dry-Cleanroom

## **Qualification Certificate**

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

igus GmbH Cologne, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number IG 2405-1526.

The series chainflex fibre optic cable CFLG.LB was assessed in compliance with ISO 14644-14. When operated under the specified test conditions (room temperature of  $22\,^{\circ}\text{C} \pm 1\,^{\circ}\text{C}$ ; dew point:  $-40\,^{\circ}\text{C} \pm 2\,^{\circ}\text{C}$ ), it is suitable for use in Dry-Cleanrooms fulfilling the specifications of the following Air Cleanliness Classes according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
$v_1 = 0.5 \text{m/s};  a_1 = 1.0 \text{m/s}^2$	4
$v_2 = 1.0 \text{m/s};  a_2 = 2.0 \text{m/s}^2$	4
$v_3 = 2.0 \text{m/s};  a_3 = 4.0 \text{m/s}^2$	4
Overall result	4

Please note: Transport damages, incorrect installation, aging behavior etc. can influence the test result.

IG 2405-1526

Stuttgart, March 28, 2025

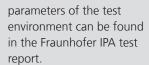
Report No. first document

Place, date of first document issued

Report No. current document

Place, current date

n behalf of A Project Manager Fraunhofer I



Detailed information and



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.