



valid until: June 17, 2031

Fraunhofer

TESTED[®] DEVICE

NICHIGOH
RO-FLEX I II III S 4.0 x 10C
Report No. NI 2604-1766

Single product
Particle Emission
in Cleanroom
(atmospheric)

Qualification Certificate

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

NICHIGOH
Iga-City, Japan

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number NI 2604-1766.

The cable RO-FLEX I II III S 4.0 x 10C (color: black) was assessed
in compliance with ISO 14644-14. When operated under the
specified test conditions (room temperature: 22 °C ± 0.5 °C;
relative humidity: 45 % ± 5 %), it is suitable for use in cleanrooms
fulfilling the specifications of the following Air Cleanliness Classes
according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
$v_1 = 0.5 \text{ m/s}; a_1 = 1.0 \text{ m/s}^2$	1
$v_2 = 1.0 \text{ m/s}; a_2 = 2.0 \text{ m/s}^2$	1
$v_3 = 2.0 \text{ m/s}; a_3 = 4.0 \text{ m/s}^2$	1
Overall result	1

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

NI 2102-1209
Report No. first document

Stuttgart, March 16, 2021
Place, date of first document issued

NI 2604-1766
Report No. current document

Stuttgart, June 17, 2026
Place, current date

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

This document only
applies to the named
product in its original state
and is valid for a period of
5 years from the current
date the 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.