



Fraunhofer

TESTED[®] DEVICE

LAPPKOREA LLC
CLEANROOM 8110 7G1.5
Report No. LA 1904-1112

Single product
Particle Emission

Qualification Certificate

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

LAPPKOREA LLC
Gyeonggi-Do, Korea

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number LA 1904-1112.

The cable ÖLFLEX CLEANROOM 8110 7G1.5 (color: black) was
assessed in compliance with ISO 14644-14. When operated under
the specified test conditions, 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 damage, incorrect installation, oil leakage,
aging behavior and corrosion etc. can influence the test result.

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.

LA 1904-1112
Report No. first document

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Report No. current document

Stuttgart, May 28, 2019
Place, date of first document issued

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Place, current date

on behalf of 
Dr.-Ing. Frank Bürger, Project Manager Fraunhofer IPA