IPA

Cleanroom (atmospheric)

valid until: November 13, 2030

Fraunhofer

TESTED® DEVICE

U.I. Lapp GmbH
ÖLFLEX CLASSIC FD 810
Report No. LA 2509-1671

Single product
Outgassing Behavior
VOC/SVOC

Qualification Certificate

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

U.I. Lapp GmbH
Stuttgart, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number LA 2509-1671.

The outgassing behavior of the cable system ÖLFLEX CLASSIC FD 810 5G1,5 (color: gray) at the stated temperature was investigated according to ISO 14644-15. Based on the outgassing rates determined for the specific equipment, the following material classification was made for the corresponding Contaminant Category:

Contaminant Category (x)	SER_u 23°C[1] [g/unit*s]	ISO-ACC_e Class (x)
VOC	7.4×10^{-10}	**-9.1**
SVOC[2]	2.3×10^{-12}	**-11.6**
Sum of VOC and SVOC	7.5×10^{-10}	--
Refractories[3]	2.6×10^{-12}	--
Siloxanes[4]	2.0×10^{-12}	--

[1] The emission rate is calculated using the detected mass based on the response of the standard, the analyzed unit and the sampling duration
[2] SVOC are airborne SVOC
[3] Refractories are compounds containing elements other than C, H and O (for example S, P, N, Si,…).
[4] Siloxanes and other Si-containing organic substances. Siloxanes also count as refra tories

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Report No. first document

Stuttgart, November 13, 2025
Place, date of first document issued

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Report No. current document

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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 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.

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