



Fraunhofer

TESTED[®] DEVICE

LS Cable & System Ltd.
e-Flatek-160401
Report No. LS 1605-824

Particle Emission

Qualification Certificate

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

LS Cable & System Ltd.
Gunpo-si, Gyeonggi-do, Republic of Korea

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number LS 1605-824.

When operated under the specified test conditions, the cable
system e-Flatek-160401 (color: white) is suitable for use in clean-
rooms fulfilling the specifications of the following Air Cleanliness
Class 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

The validity of this certificate
applies only to the mentioned
product in this particular
condition for a duration of
5 years.
Further information:
www.tested-device.com

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

Stuttgart, June 17, 2016

on behalf of 
Frank Bürger, Project manager Fraunhofer IPA