



Fraunhofer

TESTED[®] DEVICE

Lichtzen (Guangdong) co.,Ltd
Lichtzen cable system 3*2*0.34
Report No. LI 2009-1176

Single product
Particle Emission

Qualification Certificate

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

Lichtzen (Guangdong) Equipment co.,Ltd
Dongguang City, China

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number LI 2009-1176.

The Lichtzen cable system 3*2*0.34 (color: white) 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 damages, incorrect installation, aging
behavior etc. can influence the test result.

LI 2009-1176
Report No. first document

Stuttgart, October 20, 2020
Place, date of first document issued

--
Report No. current document

--
Place, current date

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

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.