



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

Hitachi Cable America Inc.  
Channelflex Pod BE2303-AD  
**Report No. HI 1702-880**

### Particle Emission

### Qualification Certificate

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

**Hitachi Cable America Inc.**  
Manchester, USA

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number HI 1702-880.

When operated under the specified test conditions, the Channelflex Cable Sleeve BE2303-AD (color: white) 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                     |
| <b>Overall result</b>                            | <b>1</b>              |

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

Stuttgart, March 7, 2017

on behalf of   
Frank Bürger, Project manager Fraunhofer IPA

DUPLICATE

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](http://www.tested-device.com)