



Fraunhofer

TESTED[®] DEVICE

THOMAS CABLE Co., Ltd.
THOMTRONIC-CLEANROOM C TP
Report No. TH 1312-682

Qualification Certificate

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

THOMAS CABLE Co., Ltd.
Ochang-Eup, Cheongwon-Gu, South Korea

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number TH 1312-682.

When operated under the specified test conditions, the cable THOMTRONIC-CLEANROOM C TP 5x2x1.0mm² is suitable for use in cleanrooms fulfilling the specifications of the following air cleanliness classes according to ISO 14644-1:

| Parameter | 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 |

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

Stuttgart, June 8, 2015

i.A. 
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