

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

Fraunhofer

TESTED DEVICE

Yeonhab Precision Co., Ltd. YHHF-FLAT CABLE-4C-4

Report No. YE 1410-726

Qualification Certificate

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

Yeonhab Precision Co., Ltd.

Cheonan, Republic of Korea

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number YE 1410-726.

The YHHF-FLAT CABLE-4C-4 is suitable for use in cleanrooms fulfilling the specifications of Air Cleanliness Class 1 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	

•	Energy chain:	igus E61.29.50.075.0
	Chain bending radius:	
	Stroke length:	
	Cable length:	

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

Stuttgart, October 13, 2014

i. A. Frank Bürger, Project manager Fraunhofer IPA



