



Fraunhofer

TESTED[®] DEVICE

LS Cable Co., Ltd.
Cable ROFHU / ROIREU
Report No. LS 0901-469

DUPLICATE

Qualification Certificate

This is to certify that the products mentioned below manufactured by the company

LS Cable Co., Ltd.

555 Hogye-dong, Dongan-gu
Anyang-si, Gyeonggi-do
431-831, Korea

has been awarded a Fraunhofer IPA Qualification Seal bearing the report number LS 0901-469.

The below mentioned cable operated at the velocities and descriptions listed below are suitable for use in cleanrooms fulfilling the corresponding air cleanliness specifications in accordance with ISO 14644-1.

| Type | Air Cleanliness Class | | |
|------------------------------------|----------------------------------|-----------------------|-----------------------|
| | (in accordance with ISO 14644-1) | | |
| | $v_1 = 0.5\text{m/s}$ | $v_2 = 1.0\text{m/s}$ | $v_3 = 2.0\text{m/s}$ |
| ROFHU-SB 4C x 0.75 mm ² | ISO Class 2 | ISO Class 2 | ISO Class 2 |
| ROIREU-SB 4C x 2.0 mm ² | ISO Class 1 | ISO Class 1 | ISO Class 2 |

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

The duration of the validity of this certificate is unlimited. For further information visit our website at www.ipa-qualification.com.

Stuttgart, Germany, January 29th 2009

i. A. 
Signature project manager

