



Fraunhofer

TESTED[®] DEVICE

LS Cable Ltd.
Factory Automation Cable
Report No. LS 0609-362

DUPLIKAT

IPA Qualification Certificate

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

LS Cable Ltd.

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

has been awarded an IPA Qualification Seal bearing the report number LS 0609-362.

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

Type	Air Cleanliness Class acc. to ISO 14644-1/US Fed. Std 209 E		
	v ₁ =0.5 m/s	v ₂ =1.2 m/s	v ₃ =2.0 m/s
Factory Automation	ISO Class 1	ISO Class 4	ISO Class 4
Cable (PVC Jacket type)	Class 1	Class 10	Class 10

Detailed information and parameters of the test environment can be found in the IPA Test Report compiled by the Fraunhofer Society.

Certified on 27th September 2006.

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

Stuttgart, Germany, 27th September 2006

Handwritten signature of Udo Sommer.

Signature



Fraunhofer Institut
Produktionstechnik und
Automatisierung