

# Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **86 968 - 10 HH**

Company **LS Cable, Ltd.**  
1443 Wainwright Way  
Suite # 111  
Carrollton TX 75007

Product Description **Flame retardant Heat Shrinkable Tubes, medium and heavy wall type**

Type **LS-PMWT-FR and LS-PHWT-FR**

Environmental Category **None**

Technical Data /  
Range of Application **Voltage: Max. 1000 V**  
**Shrink ratio: 3 : 1**  
**Insulation: Irradiated Cross-linked polyolefin**  
**Temperature range: -55°C to +110°C**

**Intended Service: For protecting, insulating and sealing cable / wire splices, electrical connection, jacket repairs and terminations**

**Sizes, technical details, storage and installation according to manufacturer's instructions and data sheet (Specification No. LSC(29)-K-C-00000044 & 45, dated 20. Jan. 2006).**

Test Standard **ASTM D 412, D 2671, D 149, D 570, IEC 60093:1993, IEEE 383**

Documents **LS QA Test Reports dated 02/2006 and Flame Test Report approved by KETI (Korea Electrical Testing Institute) dated 23. Febr. 2006**

Remarks **The product shall be marked at least with type designation, size, manufacturer's name**

Valid until **2015-03-01**

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File No. **I.N.02**

**Hamburg, 2010-03-01**

Type Approval Symbol



**Germanischer Lloyd**

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