Fire Testing Cables for Euro Classifications EN 13501-6:2014

This European Standard provides the reaction to fire classification procedure for electric cables. For the purpose of this European Standard the term "electric cables" covers all power, control and communication cables, including optical fibre cables. This will utilise the following test methods. Interscience has a comprehensive accredited cable fire testing facility and offers these tests.

EN 50399: 2011 Common test methods for cables under fire conditions -Heat release and smoke production measurement on cables during flame spread test - Test apparatus, procedures, results

EN 60332-1-2: Tests on electric and optical fibre cables under fire conditions —Part 1-2: Test for vertical flame propagation for a single insulated wire or cable — Procedure for 1 kW pre-mixed flame

EN 61034-2: 2005 Measurement of smoke density of cables burning under Defined conditions Part 2: Test procedure and requirements

EN 50267-2-3: Common Test methods for cables under fire conditions - Tests on gases evolved during combustion of materials from cables - Part 2-3: Procedures - Determination of degree of acidity of gases for cables by determination of the weighted average of ph and conductivity

3m cube apparatus and fire model

IEC 60754 tube furnace

Interscience Provides:

- *Rapid turn round from receipt of samples*
- *State of the art analytical facilities for toxic gas*
- *Accredited testing to a wide range of test specifications*
- *Cost effective testing service*

Our quality fire testing service is supported by staff experienced in providing standard testing and research services. Their expertise has been developed in standardisation committee representation, and empirical use of a wide range of international standards and the specialist analytical techniques in our fully equipped laboratory.

Ladder test

and HRR apparatus

IEC 60332-2-1 vertical burn test

Interscience Fire Laboratory

"providing quality testing from its UKAS approved laboratory"

The test facilities based at Gosport enable materials to be evaluated quickly for smoke, toxic gas production, flame spread, heat release and many other fire related parameters.

Additional capabilities include:

- **Gas analysis including FTIR**
- **Cable testing to BS, EN, IEC and ISO standards**
- **Railway testing to BS 6853, and LUL requirements**
- **UK MoD fire test requirements**
- **Heat release testing**
- **DIN 5510:2009**

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UKAS TESTING
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