Heat Release Rate Matching Tool

Introduction

No more expensive full-scale testing. FIPECMATH provides alternative solution to achieve the full-scale result by just 10-centimetre electric cable specimens in small-scale testing for free of charge. The heat release rate matching concept makes the testing goes faster, easier and of course saver.

Summary

Instead of complicate mathematical correlations, FIPECMATCH gives the corresponding full-scale result by means of the heat release rate comparison, if the small-scale results are matched to any electric cables stored in the database. FIPECMATCH contains all available FIPEC project database which has been tested ever since.

The electric cables must be tested in order to verify with the certain standard and of course, the full-scale results are needed. Unfortunately, the full-scale testing is rather expensive and complicate to conduct. It would be more convenient if the full-scale results are found by small-scale testing. FIPEC project has done the useful database for the pair of testing. FIPECMATCH exploits that database to create the heat release rate matching tool.

With FIPECMATCH, the electric cable manufacturers have the new tool to verify their products with just 10-centimeter cable specimens in small-scale test. As a result, the verification can be carried out as frequent as it is required.

FIPECMATCH works on amazing the heat release rate filters. The first filter is indeed the heat release rate screener. The second filter is the shape determiner. The similarity index indicates the likeness of the pair in comparison. So let's try it out.

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