

Damian Majchrzyk, Izabela Tarka: Electric Cables and Wires for Rolling Stock

In the article there were presented characteristics of electric cables important for using in rolling stock. Special attention was paid on their flammability and smoke properties, as the statistics show, that cables can be a crucial element of fire safety in means of transport. Polish legal requirements for test methods for cables used in rolling stock were characterized. There were described examination benches and test procedures performed in the Materials & Structures Laboratory in accordance with mentioned above requirements.

Keywords: electric cables and wires, fire safety, fire behavior, test methods