

Abstract

In this diploma project, the target is to analyze the organization of the cable TV network model using FTTB technology. The project provides theoretical information on the technology used, a technical description of the selected equipment and optical cable.

According to the initial data, the length of the regeneration section, cable protection from interference, and other calculations were made. In the economic part of the diploma, the technical and economic indicators of the project were calculated and its profitability was proved. Safety issues, organizational and technical measures to ensure safety, such as grounding and fire safety, are considered.