This thesis compares prosodic phrases in Czech and European Portuguese, focusing on their phonetic parameters, such as length in phonemes, syllables, and words. The research was conducted using recordings of professional speakers, including Czech and Portuguese narratives and news broadcasts, as well as recordings of Czech speakers reading Portuguese texts. The aim of the study was to describe prosodic phrases in both languages and to verify the findings of previous studies that examined the length of prosodic phrases in Czech and English speakers. The results indicate that Portuguese prosodic phrases are generally longer than Czech ones and that the length of phrases also varies depending on the genre, with news broadcasts having longer phrases than narratives. Czech speakers reading Portuguese texts produced significantly shorter prosodic phrases compared to native speakers. The research also contributed to the expansion of the Prague Phonetic Corpus with new material, including European Portuguese and its use by non-native speakers.