

Development of Compound Catenary Equipment Equipped with Feeder Messenger

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Compound catenary equipment equipped with feeder messenger has been developed for meter-gauged railway line. This overhead contact line is able to make a train run at the speed of 160 km/h, and in addition, has the features of labor-saving maintenance and reduction of construction cost. The authors performed theoretical analyses and dynamic-characteristic evaluation to confirm the validity of develop the overhead contact line. Moreover, we conducted test run to verify the current collection performance of the overhead contact line.