



Example of Cable Design Engineer Job Description

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Our company is looking to fill the role of cable design engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for cable design engineer

- Designing High Data Rate, Power, Coaxial, and Microwave/RF cable products through the application of material, dimensional, mechanical, and electrical performance technical knowledge to ensure product designs meet quality requirements, customer specification requirements, design for manufacture and process/manufacturing requirements, and other Fitness-For-Use considerations
- Identifying opportunities to improve manufacturing costs through the standardization of raw materials, components, and/or intermediates in the creation of new designs or modification of existing product designs
- Creating cable designs and specifications based on Specification Review output, customer needs, and Application Engineer design input
- Partnering with Application Engineers to ensure product design output meets design input requirements
- Partnering with Product Process Engineers and Manufacturing associates to review manufacturing requirements, test procedures for inspection, and design for manufacture considerations
- Collaborating globally with other Product Design Engineers to share best practices, fundamental knowledge, and design learnings
- Coordinating cross-functional design-related activity to achieve timely completion of designs
- Providing technical input to the drafting/modeling function in the creation of CAD drawings, models, and technical specifications

Qualifications for cable design engineer

- Excellent understanding of the design and concepts of analog front-ends, RF amplifiers, splitters, diplexers and other cable components
- Good theoretical foundation on state-of-art algorithms (DPD, envelop tracking, PAR reduction, non-linear cancellation)
- Must be a good team player and mentor, with excellent communication skills
- Proficient and able to perform all responsibilities associated with the position
- Proficient ability to handle more complex assignments
- Must be proficient with CAD tools to create mechanical models and accompanying drawings