

# Choosing Ribbon Cable

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**Whatever your industry or final end design aims for ribbon cable, there are a number of issues to bear in mind when choosing ribbon cable. Think about these key issues when choosing ribbon cable and consider ribbon cable assembly.**

## **Choosing Ribbon Cable and Ribbon Cable Assembly:**

**Pitch:** Pitch refers to the spacing of the conductors contained within your ribbon cable. Common pitches are 0.5 mm, 1 mm, 1.25mm, 2 mm, but the spacing will depend on your exact ribbon cable requirements.

**Extreme Temperatures:** Standard ribbon cable will operate in normal temperatures, but if you need ribbon cable to operate seamlessly in extreme temperatures, you may need to consider protecting the cable with a silicon jacket.

**Flexibility:** Standard ribbon cable is extremely flexible, but if your design has extremely limited space or requires increased flexibility, you may need to purchase custom ribbon cable with greater flexibility for the specific job.

**Long Life:** As with most electrical components it is always advisable to choose ribbon cable that has been thoroughly tested and rated for a long life cycle.

**Fire Resistant:** Fire resistance is extremely important, not just for the successful operation of the electrical device, but for safety, too. Always choose ribbon cable that is compliant to the EU's Restriction of Hazardous Substances Directive (RoHS Directive) and thoroughly tested to meet stringent fire safety standards.

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