

## Conductive Ribbon - 3-Conductor (1 yard)

DEV-10172 ROHS ✓

DESCRIPTION

DOCUMENTS

Here we have some conductive ribbon. Essentially, it's a fabric with 3 conductors woven into the ribbon. It measures roughly 0.2" wide and 0.03" thick. You will get a 1 yard (~3 foot long) section of ribbon. It has very little (negligible) resistance to it. The material is 68% tinsel and 32% polyester.

Since it has 3 discrete conductors in it, you can transmit power, ground, and signal with a single ribbon! It's relatively flexible and durable. As long as your iron isn't too hot, it solders easily and makes for a good addition to any wearable electronics project.



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Member #633474 / about 3 years ago / ★ 1

Does any one how to connect the conductive ribbons to MPU6050 or any other such form factors which then gets connected to Arduino Uno R3

Member #4468 / about 7 years ago / ★ 1

One yard is not long enough!

Member #6033 / about 7 years ago / ★ 1

You can splice two pieces together using a **Bare Brick** or **LED Brick**. The manufacturer also sells cut-to-length pieces at <http://fabrick.it>

krabumple / about 7 years ago / ★ 1

May I have official confirmation on if these guys are insulated or not? Kinda limits the applications if you can't overlap or not worry how the end product folds and moves.

Member #431870 / about 5 years ago / ★ 1

For anyone with this problem, try using a bit of Iron on interfacing, it will stick to the ribbon nicely with just a bit of heat from an iron, and its thin. Its used for cuffs and neck parts of dress shirts usually, but its handy for many things ( and cheap!)

MRSHKO / about 7 years ago / ★ 1

Maybe you could use shrink wrap for your overlapping areas, or shrink wrap the entire thing. Shrink wrap comes in all types of wonderful colors.

Twisted / about 7 years ago / ★ 2

A more simple solution if you are actually sewing this ribbon into the fabric you can just put an extra

piece of fabric between any areas that overlap... :)



[RobertC.](#) / about 7 years ago / ★ 1

No, there is no insulation. It is made to sew into clothing, not necessarily overlap.



[fluidic](#) / about 7 years ago / ★ 1

From the soldering tutorial, it looks like the wires (conductors) aren't insulated. Not prohibitive, but take it into account when planning.



[Mr. Deahl-Coy](#) / about 7 years ago / ★ 1

Could it be bought in contiguous lengths longer than 1yd (in multiples of 1yd)?



[RobertC.](#) / about 7 years ago / ★ 1

Not at this time, sorry. They are precut when we get them.





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