Attribute	Details
Name	Adafruit Conductive Rubber Cord Stretch Sensor
Unique ID	[Custom unique identifier]
Manufacturer	Adafruit
Dimensions	Length: 1m (unstretched), Diameter: 2 mm
Weight	Lightweight
Operating Voltage	Typically 3.3V or 5V (requires external circuit for measurement)
Resistance Range	1k (unstretched) to 20k (fully stretched)
Stretch Range	Up to 30% elongation
Input	Physical stretching
Output	Resistance value (varies with stretch)
Response Time	Near-instantaneous
Durability	Long-lasting under moderate wear and tear
Application	Wearables, robotics, motion detection, analog input devices
Calibration	May require calibration based on resistance-to-stretch mapping for accuracy

Table 1: Adafruit Conductive Rubber Cord Stretch Sensor Description