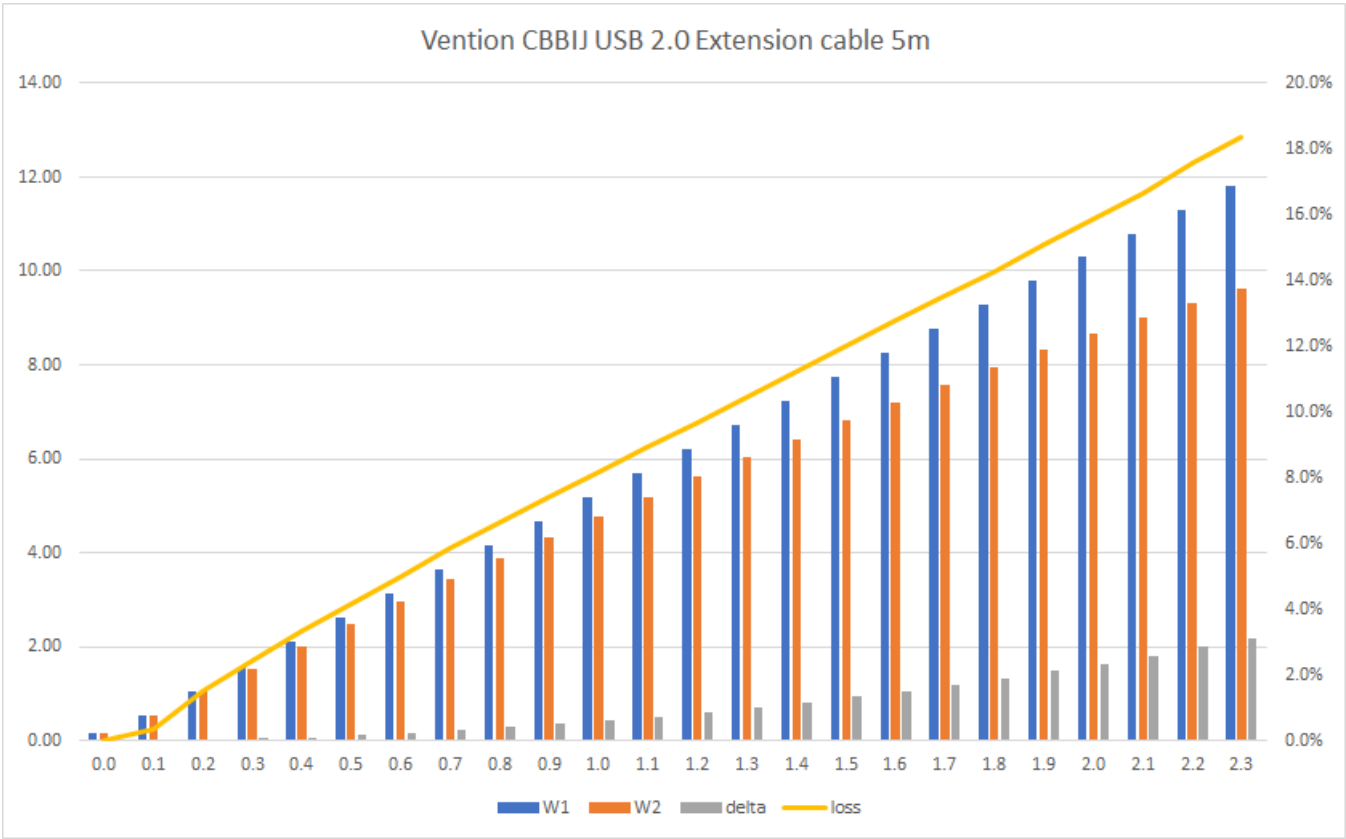


# Vention cotton braided USB 2.0 Extension cable 5m metal

Cable resistance ~ 0.41 Ohm

| Current, A | Input Power, W | Output Power, W | delta  | loss,% |
|------------|----------------|-----------------|--------|--------|
| 0          | 0.1485         | 0.1453          | 0.0032 | 0.00%  |
| 0.1        | 0.524          | 0.519           | 0.0018 | 0.34%  |
| 0.2        | 1.052          | 1.033           | 0.0158 | 1.50%  |
| 0.3        | 1.5698         | 1.528           | 0.0386 | 2.46%  |
| 0.4        | 2.0878         | 2.0156          | 0.069  | 3.30%  |
| 0.5        | 2.6078         | 2.4965          | 0.1081 | 4.15%  |
| 0.6        | 3.1275         | 2.9677          | 0.1566 | 5.01%  |
| 0.7        | 3.6485         | 3.4313          | 0.214  | 5.87%  |
| 0.8        | 4.1632         | 3.8825          | 0.2775 | 6.67%  |
| 0.9        | 4.6805         | 4.3297          | 0.3476 | 7.43%  |
| 1          | 5.1937         | 4.7656          | 0.4249 | 8.18%  |
| 1.1        | 5.7089         | 5.1962          | 0.5095 | 8.92%  |
| 1.2        | 6.2193         | 5.6137          | 0.6024 | 9.69%  |
| 1.3        | 6.7329         | 6.0247          | 0.705  | 10.47% |
| 1.4        | 7.2409         | 6.4239          | 0.8138 | 11.24% |
| 1.5        | 7.753          | 6.8184          | 0.9314 | 12.01% |
| 1.6        | 8.2632         | 7.2041          | 1.0559 | 12.78% |
| 1.7        | 8.7707         | 7.5798          | 1.1877 | 13.54% |
| 1.8        | 9.2769         | 7.949           | 1.3247 | 14.28% |
| 1.9        | 9.7885         | 8.309           | 1.4763 | 15.08% |
| 2          | 10.291         | 8.653           | 1.6348 | 15.89% |
| 2.1        | 10.798         | 8.995           | 1.7998 | 16.67% |
| 2.2        | 11.3           | 9.312           | 1.9848 | 17.56% |
| 2.3        | 11.802         | 9.63            | 2.1688 | 18.38% |



Calculated table based on 5v 0.412 Ohm

| Current, A | Voltage, V | Output, V | Resistance, Ohm | Input, Watt | Output, Watt | Power loss, Watt | loss, % |
|------------|------------|-----------|-----------------|-------------|--------------|------------------|---------|
| 0.10       | 5.00       | 4.96      | 0.41            | 0.50        | 0.50         | 0.00             | 0.82%   |
| 0.20       | 5.00       | 4.92      | 0.41            | 1.00        | 0.98         | 0.02             | 1.65%   |
| 0.30       | 5.00       | 4.88      | 0.41            | 1.50        | 1.46         | 0.04             | 2.47%   |
| 0.40       | 5.00       | 4.84      | 0.41            | 2.00        | 1.93         | 0.07             | 3.30%   |
| 0.50       | 5.00       | 4.79      | 0.41            | 2.50        | 2.40         | 0.10             | 4.12%   |
| 0.60       | 5.00       | 4.75      | 0.41            | 3.00        | 2.85         | 0.15             | 4.94%   |
| 0.70       | 5.00       | 4.71      | 0.41            | 3.50        | 3.30         | 0.20             | 5.77%   |
| 0.80       | 5.00       | 4.67      | 0.41            | 4.00        | 3.74         | 0.26             | 6.59%   |
| 0.90       | 5.00       | 4.63      | 0.41            | 4.50        | 4.17         | 0.33             | 7.42%   |
| 1.00       | 5.00       | 4.59      | 0.41            | 5.00        | 4.59         | 0.41             | 8.24%   |
| 1.10       | 5.00       | 4.55      | 0.41            | 5.50        | 5.00         | 0.50             | 9.06%   |
| 1.20       | 5.00       | 4.51      | 0.41            | 6.00        | 5.41         | 0.59             | 9.89%   |
| 1.30       | 5.00       | 4.46      | 0.41            | 6.50        | 5.80         | 0.70             | 10.71%  |
| 1.40       | 5.00       | 4.42      | 0.41            | 7.00        | 6.19         | 0.81             | 11.54%  |
| 1.50       | 5.00       | 4.38      | 0.41            | 7.50        | 6.57         | 0.93             | 12.36%  |
| 1.60       | 5.00       | 4.34      | 0.41            | 8.00        | 6.95         | 1.05             | 13.18%  |
| 1.70       | 5.00       | 4.30      | 0.41            | 8.50        | 7.31         | 1.19             | 14.01%  |
| 1.80       | 5.00       | 4.26      | 0.41            | 9.00        | 7.67         | 1.33             | 14.83%  |
| 1.90       | 5.00       | 4.22      | 0.41            | 9.50        | 8.01         | 1.49             | 15.66%  |
| 2.00       | 5.00       | 4.18      | 0.41            | 10.00       | 8.35         | 1.65             | 16.48%  |
| 2.10       | 5.00       | 4.13      | 0.41            | 10.50       | 8.68         | 1.82             | 17.30%  |
| 2.20       | 5.00       | 4.09      | 0.41            | 11.00       | 9.01         | 1.99             | 18.13%  |
| 2.30       | 5.00       | 4.05      | 0.41            | 11.50       | 9.32         | 2.18             | 18.95%  |