

# USB 3.0 Cable Assembly with Ferrite

**multicomp**PRO

**RoHS  
Compliant**

## Type A Male to Type A Male Cable Assemblies



### Specifications Table

| Characteristics         | Part Number     |          |          |          |          |
|-------------------------|-----------------|----------|----------|----------|----------|
|                         | MC002475        | MC002476 | MC002477 | MC002478 | MC002479 |
| Connector A             | USB Type A Male |          |          |          |          |
| Connector B             | USB Type A Male |          |          |          |          |
| Cable Length - Metric   | 0.5m            | 1m       | 2m       | 3m       | 5m       |
| Cable Length - Imperial | 19.7"           | 3.3ft    | 6.6ft    | 9.8ft    | 16.4ft   |
| USB Standard            | USB 3.0         |          |          |          |          |
| Colour                  | Blue            |          |          |          |          |
| Data Transfer Rate      | 5 Gbps          |          |          |          |          |

## Type A Male to Type C Male Cable Assemblies



### Specifications Table

| Characteristics         | Part Number     |          |          |
|-------------------------|-----------------|----------|----------|
|                         | MC002480        | MC002481 | MC002482 |
| Connector A             | USB Type A Male |          |          |
| Connector B             | USB Type C Male |          |          |
| Cable Length - Metric   | 0.5m            | 1m       | 2m       |
| Cable Length - Imperial | 19.7"           | 3.3ft    | 6.6ft    |
| USB Standard            | USB 3.0         |          |          |
| Colour                  | Black           |          |          |
| Data Transfer Rate      | 5 Gbps          |          |          |

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## Type B Male to Micro B Male Cable Assemblies

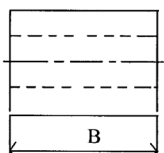
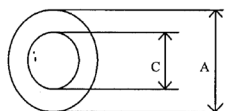


## Specifications Table

| Characteristics         | Part Number      |          |          |          |          |
|-------------------------|------------------|----------|----------|----------|----------|
|                         | MC002483         | MC002484 | MC002485 | MC002486 | MC002487 |
| Connector A             | USB Type B Male  |          |          |          |          |
| Connector B             | USB Micro B Male |          |          |          |          |
| Cable Length - Metric   | 0.5m             | 1m       | 2m       | 3m       | 5m       |
| Cable Length - Imperial | 19.7"            | 3.3ft    | 6.6ft    | 9.8ft    | 16.4ft   |
| USB Standard            | USB 3.0          |          |          |          |          |
| Colour                  | Blue             |          |          |          |          |
| Data Transfer Rate      | 5 Gbps           |          |          |          |          |

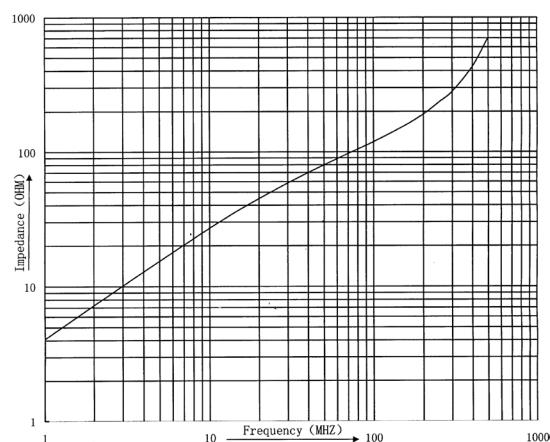
## Ferrite information

### Diagram



|          |             |
|----------|-------------|
| <b>A</b> | 10 ±0.4mm   |
| <b>B</b> | 20 ±0.6mm   |
| <b>C</b> | 6.35 ±0.4mm |

## Impedance Vs. Frequency



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| Initial Permeability | Practical Frequency | Residual FLYX Density (Br) | Saturation FLYX Density (Bs) | Magnetize G Force | Curie Temp. | Material Density  |
|----------------------|---------------------|----------------------------|------------------------------|-------------------|-------------|-------------------|
| ui                   | MHz                 | Gauss                      | Gauss                        | Oested            | °C          | g/cm <sup>3</sup> |
| 700                  | 0.1 - 1             | 1200                       | 2750                         | 0.35              | 120         | 4.9               |

## Part Number Table

| Description                                           | Colour | Part Number |
|-------------------------------------------------------|--------|-------------|
| USB 3.0, Type A Male to Type A Male Cable Assemblies  | Blue   | MC002475    |
|                                                       |        | MC002476    |
|                                                       |        | MC002477    |
|                                                       |        | MC002478    |
|                                                       |        | MC002479    |
| USB 3.0, Type A Male to Type C Male Cable Assemblies  | Black  | MC002480    |
|                                                       |        | MC002481    |
|                                                       |        | MC002482    |
| USB 3.0, Type B Male to Micro B Male Cable Assemblies | Blue   | MC002483    |
|                                                       |        | MC002484    |
|                                                       |        | MC002485    |
|                                                       |        | MC002486    |
|                                                       |        | MC002487    |

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