iFiber Y

USB3.2 A+C to C AOC cable

*Datasheet V1.0*

A black cable with a blue and red cable

Description automatically generated

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# 1. Overview

The INFOBIT iFiber Y USB active optical cables are designed to be compliant with SuperSpeed USB and SuperSpeed+ USB electrical specifications, offering seamless interoperability between existing USB 2.0 and USB 3.x hosts, hubs and devices, ensuring a trouble-free plug-and-play experience.

The USB AOC address the growing need for bandwidth with plug-and-play links to existing electrical connectors that scale greater distances than previously possible over copper links. Supporting the latest USB standards, the AOCs are ideal for AR/VR, cameras for conference rooms and machine vision, storage, and other computer peripherals.

Our cables are available in multiple flavors all-in-one set, from standard Type-A to the new Type-C connectors – with the same features and functionalities as traditional copper cables, but at longer lengths.

# 2. Features

**Small-factor USB C head**

The USB C device head, designed for commercial installation in walls, above ceilings, through raceways, and within conduit, these long USB cables deliver speeds up to 10Gbps.

**Reliable performance**

Unlike ordinary USB copper cables, INFOBIT iFiber Y is built to last. With 200 newtons of tensile strength and a 1000 kg crush load, iFiber Y provides reliable performance for peripherals like conference cameras, touch controllers, and powered USB hubs.

**Y you must need it?**

The iFiber Y is designed with a “Y” shape of both USB A and C at the host head. To join or host a video meeting, simply plug the iconic Y connector into any laptop with a either Type A or Type C port, compatible with all PC models.

**High combability**

The iFiber Y works with cameras, microphones, speakerphones of brands of INFOBIT, Logitech, Poly, Aver, Huddly, Bose, Neat, Yealink, Jabra and more.

**Long distance**

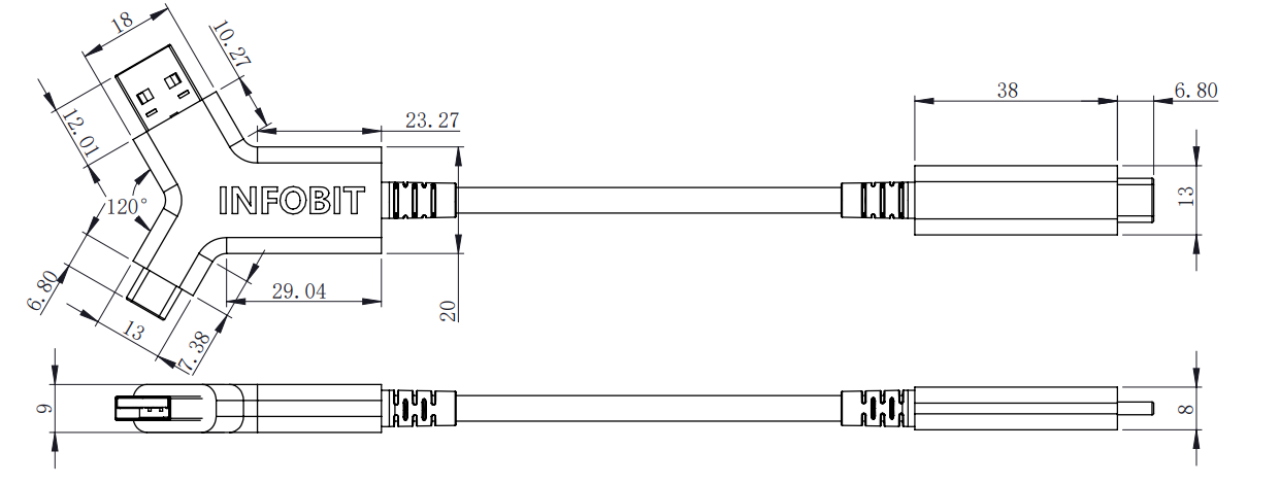
Available in lengths of 10, 25, and 40 meters, the iFiber Y cables connect PCs, Macs, and Chromebook to self-powered USB devices and hubs, including cameras, microphones, speakerphones, USB storge, printer, keyboard/mouse and more KVM devices.

# 3. Datasheet

|  |  |
| --- | --- |
| Model | iFiber Y |
| Name | USB3.2 A+C to C AOC cable |
| USB standard | USB3.2 Gen2, 10Gbps, compatible with USB 2.0 and USB 1.1 |
| Length | 10m, 25m, 40m |
| Power | 5V max |
| PD | Without Power Delivery |
| Host | USB Type A Male + Type C Male |
| Device | USB Type C Male |
| Tensile strength | 200 newton |
| Plenum Rated | Yes |
| Minimum bend radius | 25mm |
| Cable construction | 2C\*OM2 + 1P\*24AWG +2C\*24AWG |
| Works with Self-Powered Devices and Hubs | Yes |
| Works with Bus-Powered Devices and Hubs | No |
| Storage temperature | -5 to 85 ℃ |
| Operating Temperature | 0 to 50 ℃ |
| Humidity | 0 to 85% RH |
| Jacket | PVC |
| Color | Black |
| Compatible brands\* | INFOBIT, Logitech, Poly, Aver, Huddly, Bose, Neat, Yealink, Jabra and more |

\*Note: the compatible brands list is updated time to time without any prior notice, for updated list, please contact us via [info@infobitav.com](mailto:info@infobitav.com)

# 4. Cable dimension



# 5. Tested devices

|  |  |  |  |
| --- | --- | --- | --- |
| **Brand** | **Model** | **Brand** | **Model** |
| INFOBIT | iCam VB50 | Yealink | UVC40 |
| INFOBIT | iCam VB60 | Yealink | UVC84 |
| INFOBIT | iCam VB70 | Yealink | UVC86 |
| INFOBIT | iCam P20/ P20N | Logitech | Rally Camera |
| INFOBIT | iSpeaker M400 | Logitech | Rally Bar |
| INFOBIT | iSpeaker CM800 | Logitech | Rally Bar Mini |
| INFOBIT | iSpeaker A20 | Logitech | Meet Up |
| INFOBIT | iSpeaker CM710 | Aver | CAM570 |
| INFOBIT | iCam 200 | Aver | VC520 Pro2 |
| Huddly | Huddly L1- USB to PoE Adapter | Poly | Studio X30 |
| Huddly | Huddly IQ | Poly | Studio X50 |
| Huddly | Huddly GO | Poly | Studio USB |
| Bose | VB1 | Poly | Studio E70 |
| Bose | VB-S | Jabra | Panacast 20 |
| Neat | Neat Bar | Jabra | Panacast 50 |
| Neat | Neat Bar Pro |  |  |

\*Note: the actual testing list will be updating time to time without any prior notice, for updated list, please contact us via [info@infobitav.com](mailto:info@infobitav.com)

# 6. Models

|  |  |
| --- | --- |
| **Model** | **Description** |
| iFiber Y10 | USB 3.2 A+C to C Active Optical Fiber Cable, 10Gbps, 10m/33ft. |
| iFiber Y20 | USB 3.2 A+C to C Active Optical Fiber Cable, 10Gbps, 25m/82ft. |
| iFiber Y40 | USB 3.2 A+C to C Active Optical Fiber Cable, 10Gbps, 40m/131ft. |