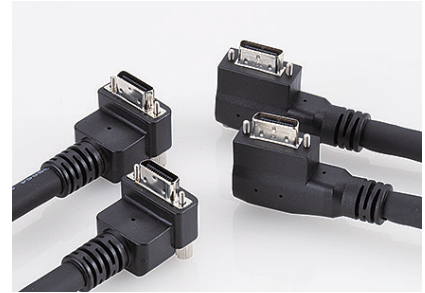# Machine Vision USB3 Cables
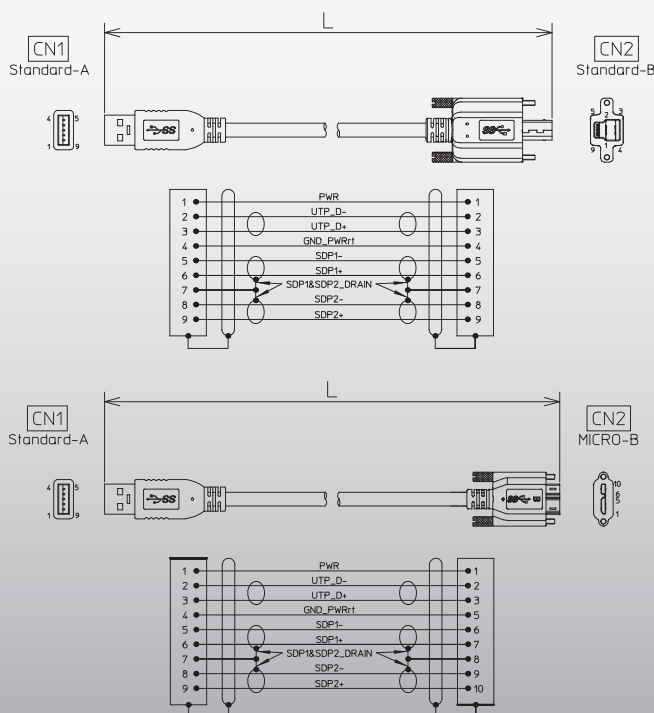

Usage

Connecting a computer with a USB3.0 Standard A terminal to FA cameras with the Standard B terminal and Micro B terminal
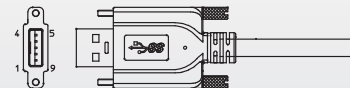
Features

- USB cables that support the USB3.0 standard (5Gbps)
- Offering cables with the USB3.0A connector, USB3.0B connector and Micro B connector in the lineup
- Using gold-plated connectors
- USB3 Vision is a standard developed by the U.S. standardization organization AIA, defining detailed cable specifications. This category of products also supports the GenICam standard.

External appearance | Examples of products in the USB3 Vision-compatible Cable Assembly lineup

CN1 Standard-A		CN2 Standard-B

Pin	Signal	Pin
1	PWR	1
2	UTP_D-	2
3	UTP_D+	3
4	GND_PWRrt	4
5	SDP1-	5
6	SDP1+	6
7	SDP1&SDP2_DRAIN	7
8	SDP2-	8
9	SDP2+	9

CN1 Standard-A		CN2 MICRO-B

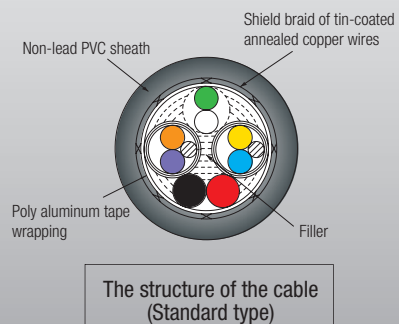| Pin	Signal	Pin
1	PWR	1
2	UTP_D-	2
3	UTP_D+	3
4	GND_PWRrt	5
5	SDP1-	6
6	SDP1+	7
7	SDP1&SDP2_DRAIN	8
8	SDP2-	9
9	SDP2+	10

* Customization

Normally, the CN1 side is connected to a computer and the CN2 side is connected to a camera. The screw-lock Standard A-Type plug is also available, and can be incorporated into the CN1 and CN2 sides.

Please see the nomenclature on Page 20 to check the standard model number when placing an order. Please contact us for long-distance transmission cables and high flex cables, which are to be phased in to the market.

- Shield braid of tin-coated annealed copper wires
- Non-lead PVC sheath
- Poly aluminum tape wrapping
- Filler

The structure of the cable (Standard type)

Hirakawa Hewtech is a member of JIIA, AIA, EMVA and CMVU, which set machine vision standards.

*JIIA logo is a registered trademark of Japan Industrial Imaging Association.