

Machine Vision

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Product Line

COMOSS®

Electronic Links
International, Inc.

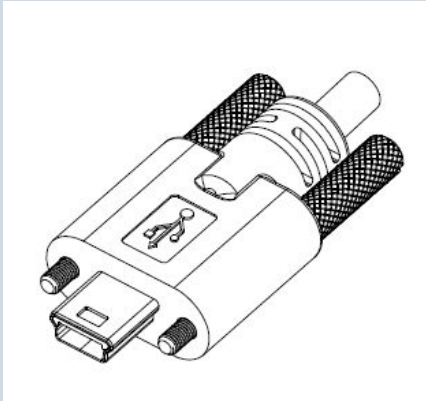
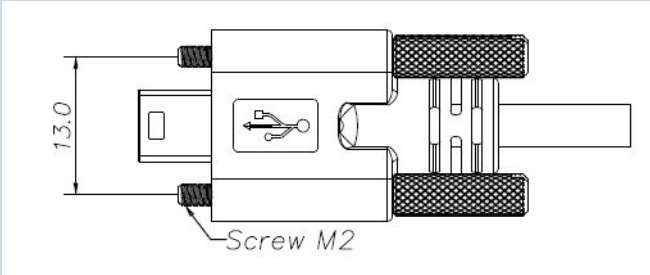
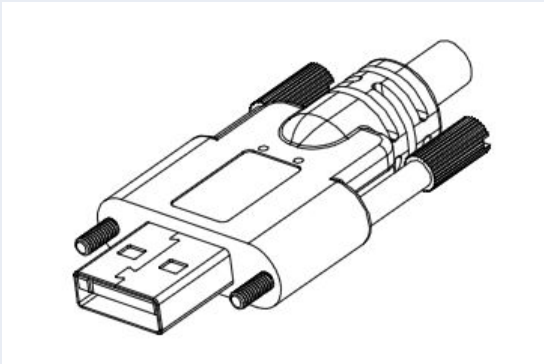
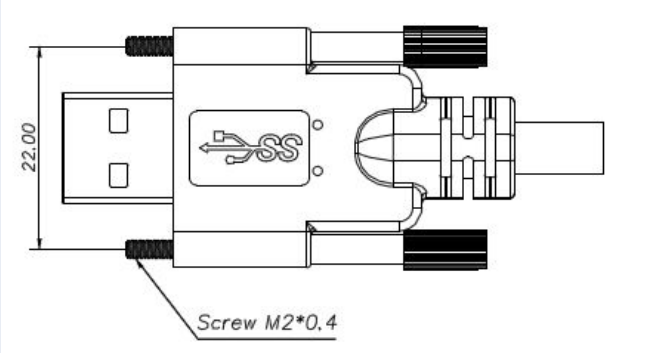
Product	Standard	Premier	High Flex	Long Haul
USB2.0	V		V	
USB3.0	V	V	V	V
1394b	V		V	V
GigE	V	V	V	V
CAMERA LINK		V		
Water Proof	V			



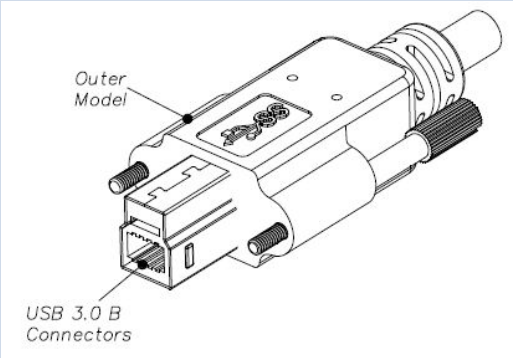
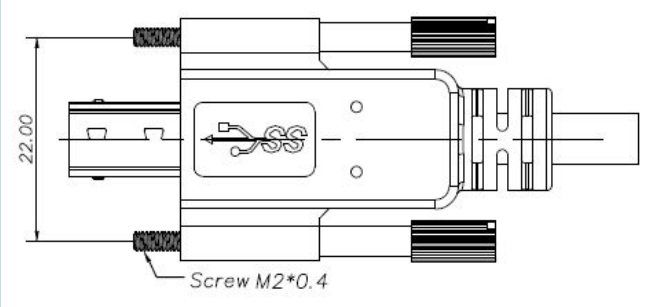
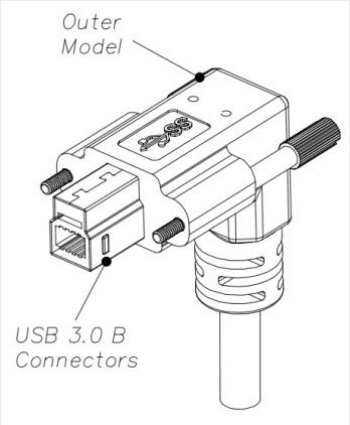
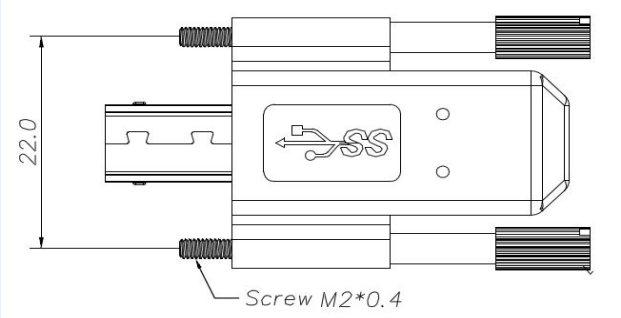
Angled tooling item

Product	180 Straight	Angled tooling
USB2.0	V	
USB3.0	V	V
1394b	V	V
GigE	V	V
CAMERA LINK	V	
WaterProof	V	

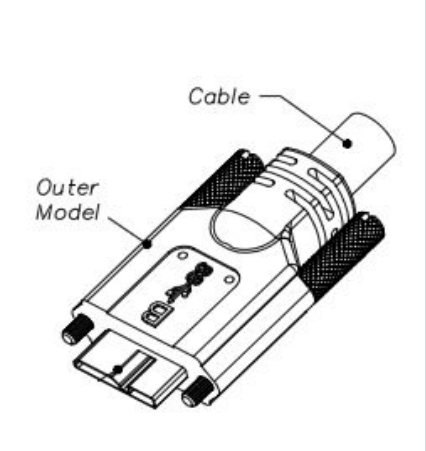
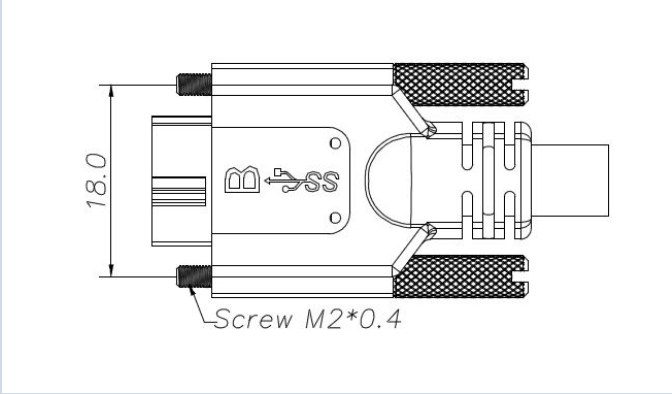
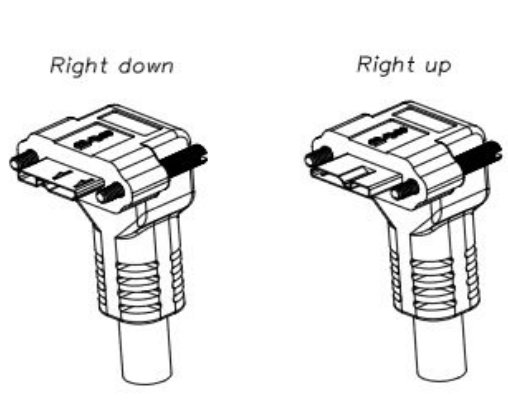
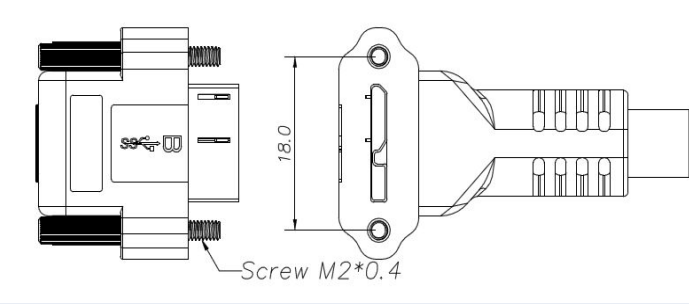
USB 2.0 & 3.0 CABLE

Product	Tooling	Screw (M2*0.4)
<p>MINI USB (USB2.0)</p>		 <p>13.0</p> <p>Screw M2</p>
<p>USB A/M (USB3.0)</p>		 <p>22.00</p> <p>Screw M2*0.4</p>

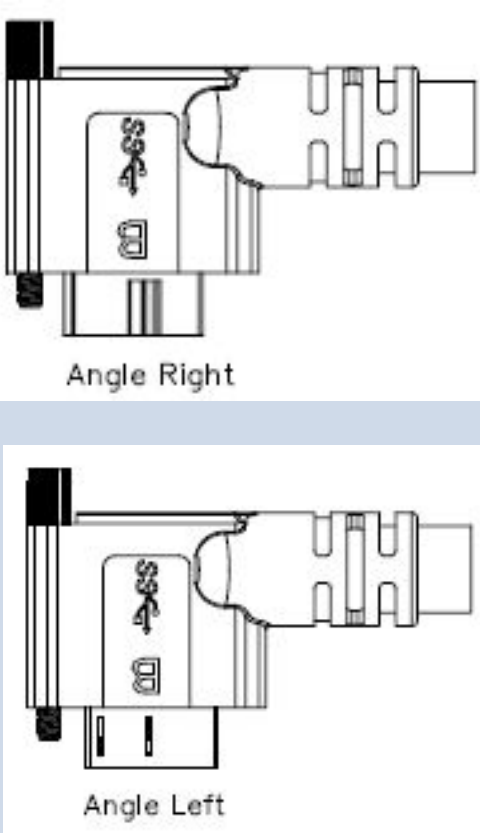
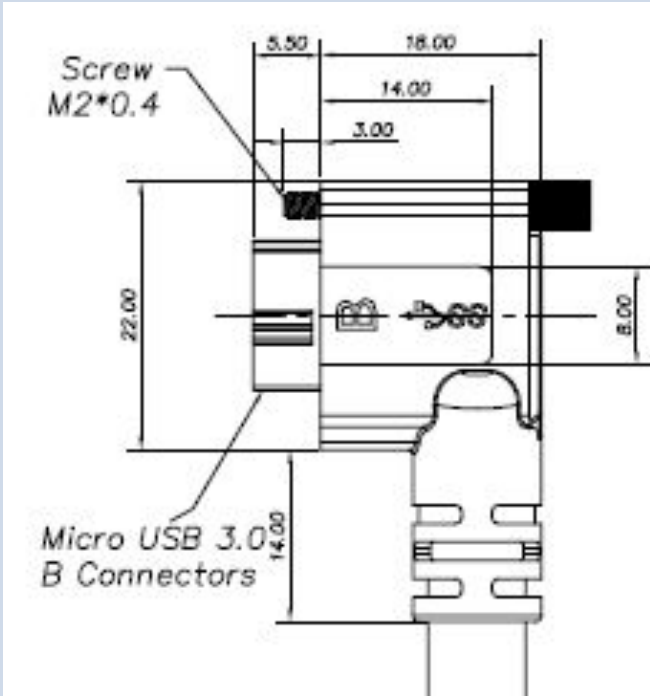
USB 3.0 CABLE

Product	Tooling	Screw (M2*0.4)
<p>USB3.0 B type</p>		
<p>USB3.0 B Angle</p>		

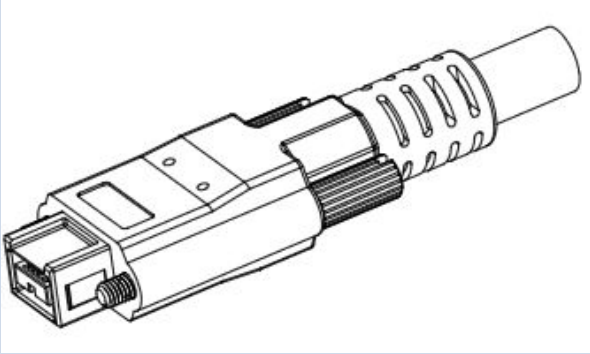
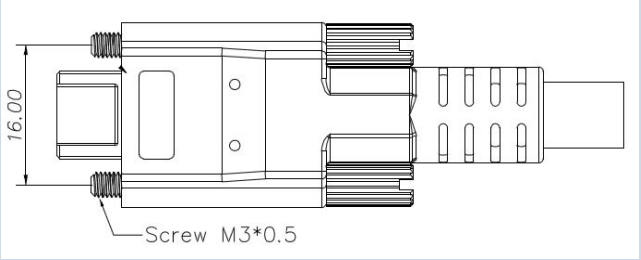
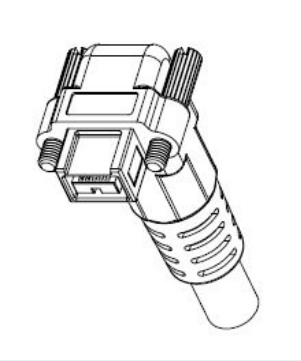
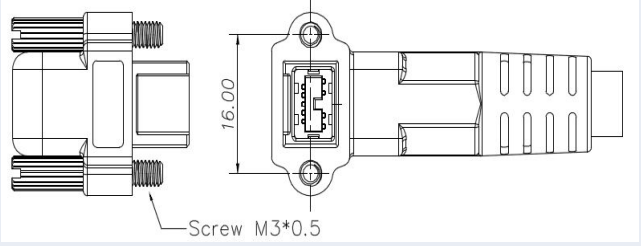
USB 3.0 CABLE

Product	Tooling	Screw (M2*0.4)
<p>USB 3.0 Micro B (Straight)</p>		
<p>USB 3.0 Micro B (Angled)</p>		

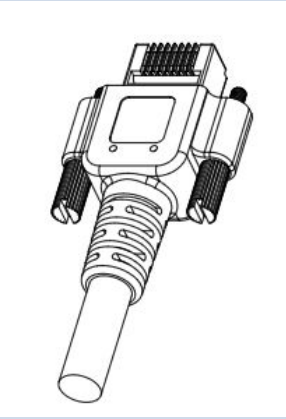
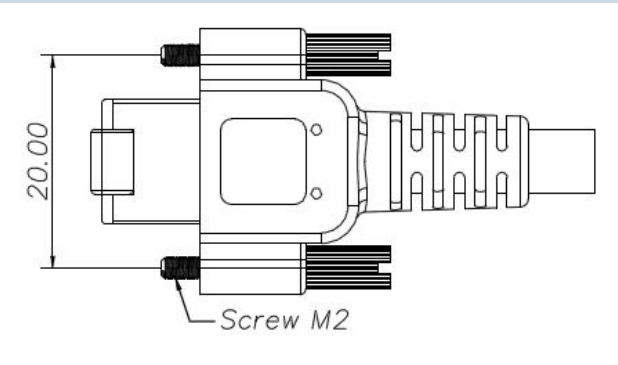
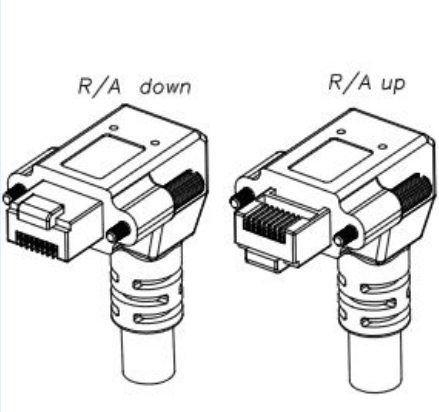
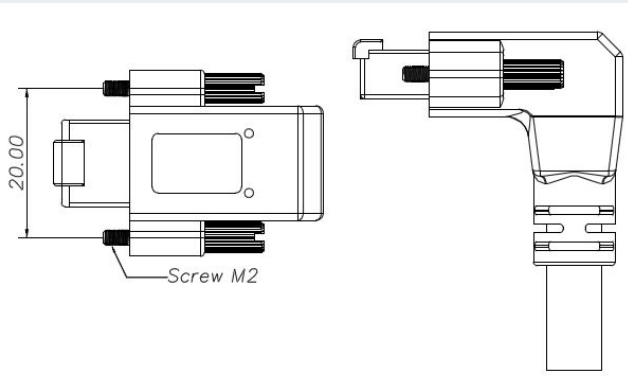
USB 3.0 CABLE

Product	Tooling	Screw (M2*0.4)
<p>USB 3.0 Micro B (Angled)</p>	 <p>Angle Right</p> <p>Angle Left</p>	 <p>Screw M2*0.4</p> <p>Micro USB 3.0 B Connectors</p>

1394B CABLE

Product	Tooling	Screw (M3*0.5)
<p>1394B (Straight)</p>		
<p>1394B (Angled)</p>		

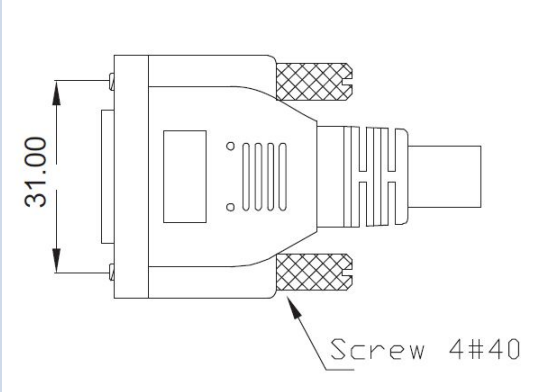
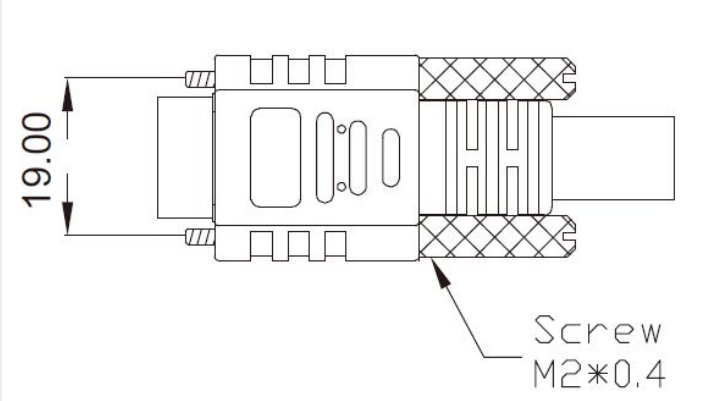
GigE CABLE

Product	Tooling	Screw (M2)
<p>GIGE (Straight)</p>		
<p>GIGE (Angled)</p>		

CAMERA LINK

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Product	Tooling
HDR	 <p>A technical drawing of the HDR Camera Link tooling. It shows a cylindrical component with a lens-like front and a threaded section on the right. A vertical dimension line on the left indicates a height of 31.00. A screw is shown on the right side, with a label 'Screw 4#40' pointing to it.</p>
SDR	 <p>A technical drawing of the SDR Camera Link tooling. It shows a cylindrical component with a lens-like front and a threaded section on the right. A vertical dimension line on the left indicates a height of 19.00. A screw is shown on the right side, with a label 'Screw M2*0.4' pointing to it.</p>

USB 2.0 CABLE

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USB 2.0 Cable A to B
USBC-A/1-B/1-STD



USB 2.0 Cable A to B
USBC-A/1-B/1-HF

USB 3.0 CABLE



USB 3.0 Cable A to Micro B
USB3C-A/1-CS/1-STD



USB 3.0 Cable A to Micro B
USB3C-A/1-CS/1-PMR



USB 3.0 Cable A to Micro B
USB3C-A/1-CS/1-HF

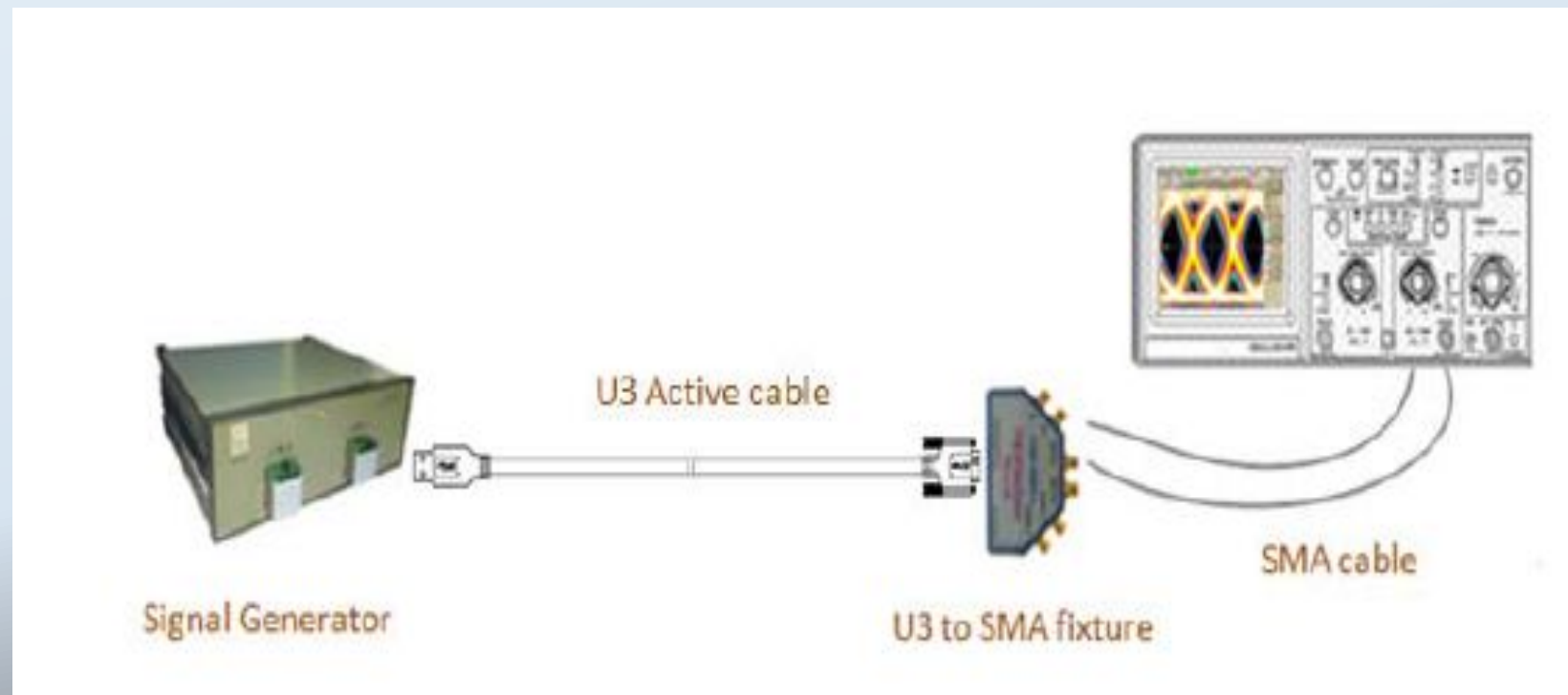


USB 3.0 Active cable A to Micro B
USB3AC-A/1-CS/1-XM

USB 3.0 test

Eye Pattern Testing Schematic Diagram

**Input Signal Source : Swing Voltage 800mV;EQ(Equalizer)=0,
DE(De-emphasis)=0



Long haul solution



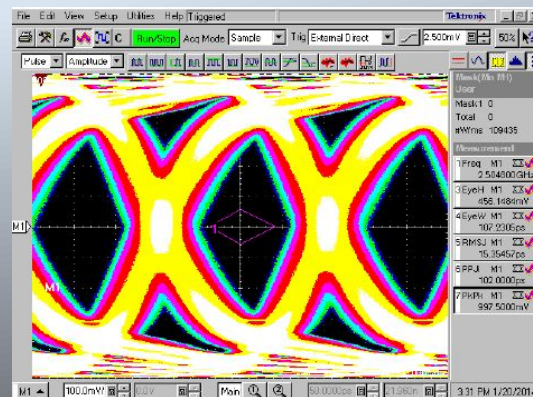
No matter what interface customers using, sometimes we face the distance limit. **COMOSS** provide many different interfaces long haul solution – such as USB3.0, 1394B, HDMI, DVI, etc...

For example, recently the most popular USB3.0 interface, 3 meter is approximately the limit distance. To allow greater distances, **COMOSS** provide up to 15M active cable solution supporting USB3.0 5Gbps data throughputs, and provide 5V/900mA output. Even more, no external power source needed, simply power through the USB3.0 cable.

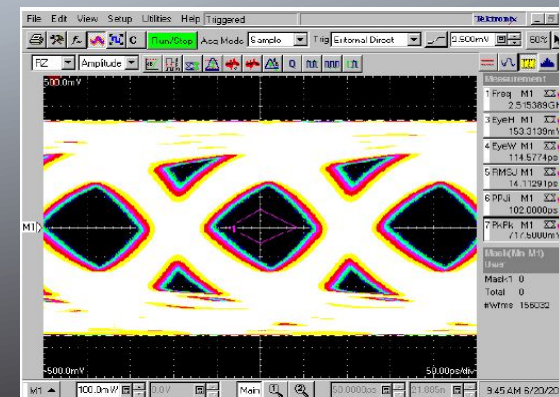
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Eye pattern 15M is good as 1M passive cable

1M Passive cable



15M Active cable



High flex solution

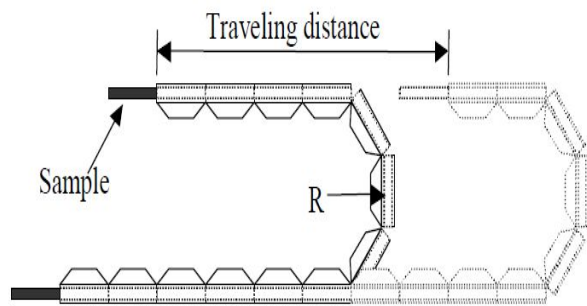


For some harsh application in FA field needed, COMOSS cooperate with professional bulk cable suppliers, such as OKI Electric Cable, develop cables have the ability to withstand bending and twisting.

Below is an example for Sliding test:

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■ Sliding performance



Sliding conditions:

Bending radius: 50mm

Traveling distance: 300mm

Traveling speed: 80 times/minute

Count: One back-and-forth movement is counted as one time.

***It's OKI in-house test conditions and for reference only.**

1394b CABLE



*1394b-Beta to 1394b-Beta with Die cast
1394C-9AS-9AS-STD*



*1394b-Beta to 1394b-Beta R/A With Die casting
1394C-9ASRS/O-9AS-HF*



*Firewire 800 9 Pin Beta plug with screw Smart
cable
1394A-9AS-9AS-Xcm-G-B*

GigE CABLE



GigE- 8P8C/1- 8P8CS/1 –STD



GigE- 8P8CS/1- 8P8C/1 –PMR



GigE- 8P8CS/1- 8P8C/1 – HF

CAMERA LINK

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International, Inc.



Camera Link Cable SDR to SDR
CMLK - S - S - XXX



Camera Link Cable SDR to SDR14pin
CMLK-S-S14-XXX

Water Proof (ODM/OEM)

M8 Series



WPF-M8MXXVC



WPF-M8FXXVC



WPF-M8FXXRC

M12 Series



WPFM12FXXVC



WPFM12MXXVP



WPFM12MXXVP



WPFM12FXXVP

USB Series



WPF-MINIUSBBM05VC



WPF-NIMIUSBBM05RC



WPF-USBAM04VP

RJ45 Series



WPF-RJ45M08VC



WPF-RJ45 Adapter

Product: Standard, Premier, HF(OKI), R/A, Long-haul

Product	Standard	Premier	High Flex	Long Haul
USB2.0	V		V	
USB3.0	V	V	V	V
1394b	V		V	V
GigE	V	V	V	V
CAMERA LINK		V		
WaterProof	V			

Standard

Long haul

Premier

R/A
Angled

High Flex
(OKI)