VA-CABLE-USB3-xxm-HF

USB 3.0 Cable Type A To Micro-B with Screw Lock, active high flex cable series

Highlights

- Up to 50m cable length
- Up to 5Gbps
- Over 20 million cycles
- 50mm bend radius
- No drivers needed
- Supports hot-plugging

Product specification

Physical Specifications	
Host side	USB3.0 Standard-A plug
Device side	USB3.0 Micro-B plug (with locking screw)
Dimension of plug	34mm/16mm/8mm 36mm/22mm/8.3mm
Net weight (typical 10m)	390g
Cable diameter	4,8mm
Bend radius	• 50mm (dynamic) • 20mm (static)
Tensile strength	• 150N (long term) • 300N (short term)
Crush resistance per 100mm	• 500N (long term) • 1000N (short term)
Operating temperature	-10°C ~ +50°C
Storage temperature	-40°C ~ +85°C
Operating humidity	20% ~ 80% RH
Storage humidity	20% ~ 80% RH
Electrical Specifications	
Input power (host side)	
Voltage	4,75V ~ 5,25V
Current (max)	200mA
Power consumption (max)	0,94W
Output Power (device side)	
Voltage	4,3V ~ 5V

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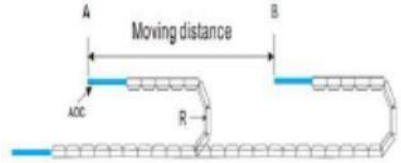
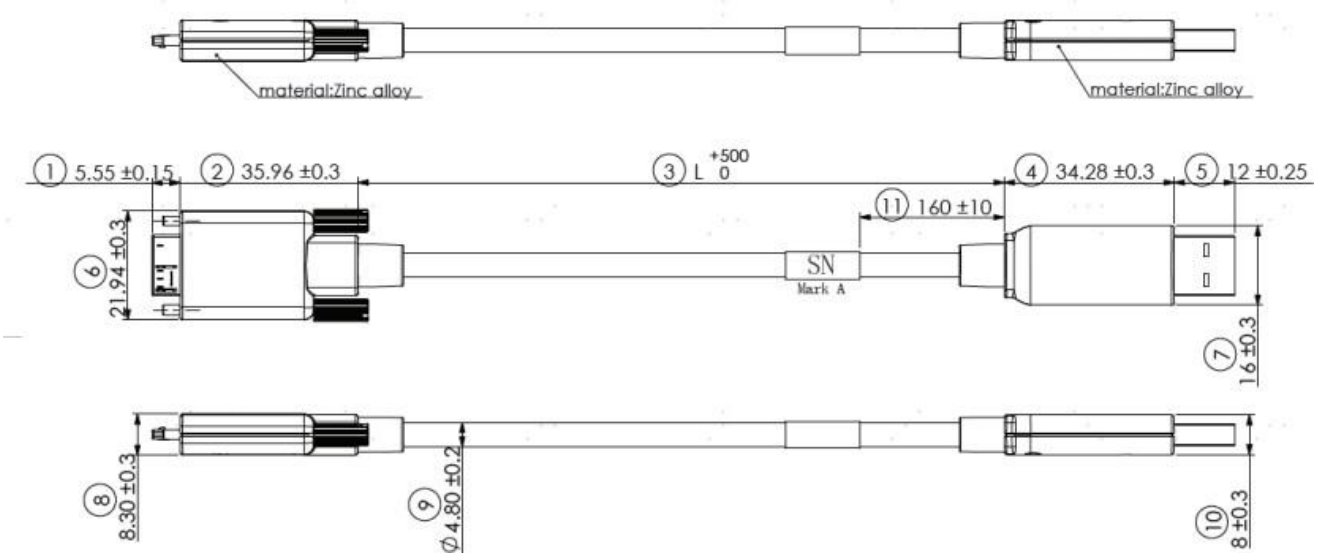
Reliability test information

Item	Test description		Pass/Fail
Cable high Flexibility test 	Bending Stroke(mm): Bending Cycle: Bending Velocity (cycle/min): Ambient Temperature: Bending Radius (mm): Duration:	1000 A→B→A 80 25°C 50 >20million cycles	No bit error had been detected by AOC tester after High Flexibility test

Product table

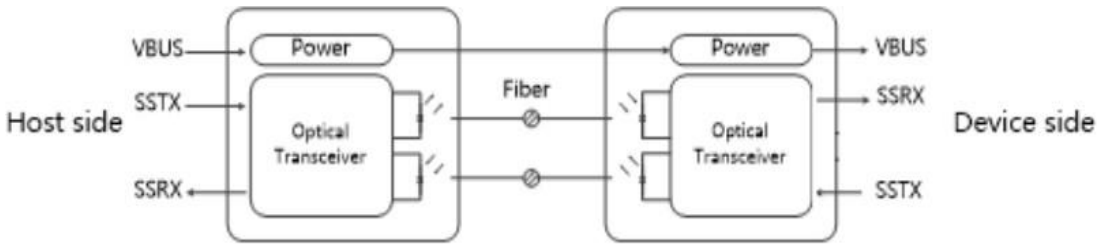
Part number	Cable Length, L
VA-CABLE-USB3-3m-HF	3 m
VA-CABLE-USB3-5m-HF	5 m
VA-CABLE-USB3-10m-HF	10 m
VA-CABLE-USB3-15m-HF	15 m
VA-CABLE-USB3-20m-HF	20 m
VA-CABLE-USB3-30m-HF	30 m
VA-CABLE-USB3-34m-HF	34 m
VA-CABLE-USB3-50m-HF	50 m

Technical drawing



* for L parameter please refer to the Product table

Technical description



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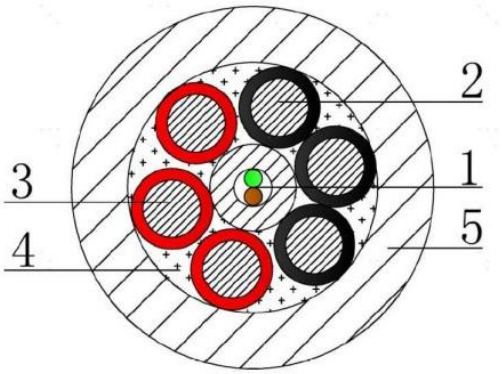
Connector PIN OUT



Item	Contents	Value	Supplement
1	Fiber	OM1	2 cores
2	Black HDPE Jacket Copper Wires	21 x 0.15, 0.8 mm Ref.	Twist structure
3	Red HDPE Jacket Copper Wires	21 x 0.15, 0.8 mm Ref.	Twist structure
4	Kevlar	Strength Member	4 x 1610 dtex
5	Outler Jacket	Black TPU	OD: 4.8±0.2 mm

! WARNING ! Applying excessive force as well as placing heavy weight on the cable can damage it.
Treat the cable carefully and avoid excessive bending, especially when installing it.

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