

SC-AVC Series Type C Active Optical Cables



Features

- Low power consumption, no external power supply needed
- Thinner, lighter, and softer than the normal copper cable
- Gold-plated contacts for perfect video transfers
- Meet DP1.2 Standard, bandwidth can reach to 21.6Gbps super speed
- Support 4K@60Hz/4K@30Hz/1080p/1080i/720p
- Support HDCP/EDID/CEC/3D
- Support length up to 30m
- Support two sides plug and play
- Support charging within 10m
- Plug & Play no driver required
- RF screening to prevent interference

Overview

The SC-AVC Series Active Optical Cable (AOC) is the perfect solution to transfer large and high-quality video and audio over long lengths (up to 30m) without nearly any loss from type c port to another type c port.

SC-AVC supports 21.6Gbps super speed and meets DP1.2 standard. It can offer high-end signal quality even in a long-distance thanking to its perfect shielding from any interference.

This Active Optical Cable can be applied to computer, Wearable tech, TV, Display, Projectors with USB type C interface for audio/video transmission.

Also, there is no need to add an external power supply which is common when using copper wire cables over long lengths.

Specifications

Cable Diameter	4.5mm
Bend Radius (Dynamic/Static)	40mm/20mm
Tensile Strength @ Long term	100N
Tensile Strength @ Short term	200N
Crush Resistance @ Long term	200N
Crush Resistance @ Short term	400N
Cable configuration	2*Fiber + 2*cooper + PVC Jacket
Fiber Module	50/125 um
Transducer	850nm VCSEL/PIN
Working current	≤45mA
Power Consumption	≤250mw
Range	Up to 30m
Connectors	USB 3.0 Standard-A Male to A Male plug
Total Bandwidth	5.0 Gbps
Operating Temperature Range	0~50 degrees centigrade
Operating Humidity Range	10%-90% non-condensing
Storage Temperature Range	-20~70 degrees centigrade
Storage Humidity Range	10%~90% non-condensing
Warranty	2 years

Models

Part Number	Description
SC-AVC-A10	10m type C to type C AOC, 4K@60Hz, 21.6Gbps, audio/video
SC-AVC-A15	15m type C to type C AOC, 4K@60Hz, 21.6Gbps, audio/video
SC-AVC-A20	20m type C to type C AOC, 4K@60Hz, 21.6Gbps, audio/video
SC-AVC-A25	25m type C to type C AOC, 4K@60Hz, 21.6Gbps, audio/video
SC-AVC-A30	30m type C to type C AOC, 4K@60Hz, 21.6Gbps, audio/video