

SPECIFICATIONS



SCFC-3420 Series

Adaptive 2 or 4 Lanes USB-C Full Featured AOC

Descriptions

This new series USB-C to C AOC break the characteristics of the existing active optical cable and support two specifications at the same time: support 4-lanes DP2.1+USB2.0 or 2-Lane DP1.4+USB3.2 10G, by using optical fiber instead of copper wire as a high-speed signal transmission medium, it's longer, thinner, softer, no radiation, and no electromagnetic interference. It achieves multiple functions such as USB3.2 10Gbps data transfer, DP video output, PD charging, and backward compatible with USB2.0/1.1, it's the nicest solution for compatible with different applications.



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Best.nr 20123429 5M
Best.nr 20123430 10M
Best.nr 20123431 15M

Key Features

- ◆ Support 4 lanes DP2.1+USB2.0
- ◆ Support 2 lanes DP1.4+USB3.2 10G
- ◆ Backward compatible with USB 2.0/1.1
- ◆ Support PD 60W(5m-10m)
- ◆ Support PD 40W(Over 10m)
- ◆ Plug and play without driver dependent
- ◆ Highly resistant to EMI and RFI

Applications

- ◆ Conference Room Video Equipment
- ◆ Class Room Equipment
- ◆ Medical Imaging Equipment
- ◆ Airplane On-board Video System
- ◆ Home Theater
- ◆ Blue-ray, 3D video, Projector, Set-up box, DVR, Game Consoles and Computer
- ◆ TV Broadcast Station
- ◆ Security systems

Absolute Maximum Rating

Parameter	Symbol	Min	Max	Unit
Power Supply Voltage	VCC	3.0	20.0	V
Operating Temperature	Top	0	50	°C
Storage Temperature	Ts	-40	70	°C
Relative Humidity	Hs	10	80	%RH



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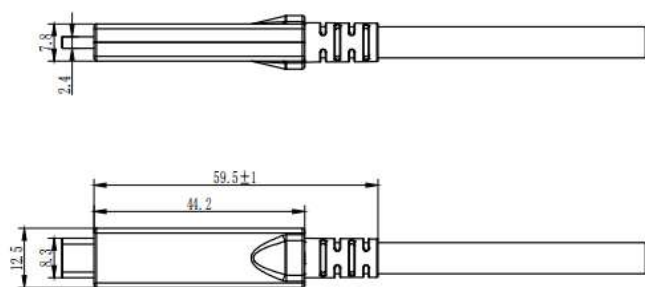
Best.nr 20123430 10M

Best.nr 20123431 15M

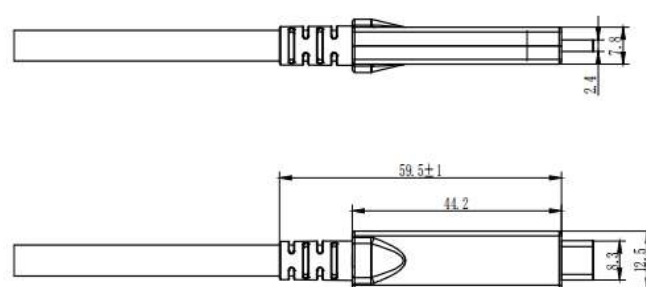
Specifications

Item	Description
Cable Length	up to 15m
Interface	USB type-C male plug
Bandwidth	U3:10Gbps and DP1.4 8.1Gbps x 2 ; U2:480Mbps and DP 2.1 10G x 4
Power Delivery	5M-10m: 60W, 15m: 40W
Power Supply	By Vconn(3.0 V to 20V)
Power Consumption (TYP.)	1200mW (5V input)
Cable Outer Diameter	6.5mm
Jacket Outer Material	PVC
Cable Filler	Kevlar
Cable Weight	See packing details sheet
Cable Color	Black
Min Bend Radius	20mm(Dynamic)/10mm(Static)
Tensile Strength	200N(Long Term)/400N(Short Term)

Drawing



To Source



To Display



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NO