

SPECIFICATIONS



TA-CP187/DP2 Series

USB3.2 Gen2 Hybrid Type-C Full Featured AOC Cable

Description:

Techaagam's USB type-C full-featured active optical cable (AOC) uses optical fiber as the high-speed signal transmission medium, it can perfectly transmit USB 2.0, USB 3.1 Gen1, and 2-lane DP 1.4 data (**DATA-10GBPS, AUDIO/VIDEO(4K), PD(60W)**) excellent signal quality to 15m max. It is softer, slimmer, lighter, and with perfect EMI/EMC features.

Key Features

- ◆ Support USB 3.2 Gen1 at 5Gbps
- ◆ Support USB 2.0/1.1 high-speed and full-speed
- ◆ Support 2-lane DP 1.4 at 4K@60Hz and 18Gbps
- ◆ Plug and play without driver dependent
- ◆ High reliability
- ◆ Thinner, lighter and softer than conventional copper cable
- ◆ Highly resistant to EMI and RFI
- ◆ Support PD 60W (20V/3A)
- ◆ Support max length up to 15m

Applications

- ◆ Digital Signage
- ◆ LED signboards in streets and stadiums
- ◆ 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
- ◆ Conference Room Video Equipment
- ◆ Security systems

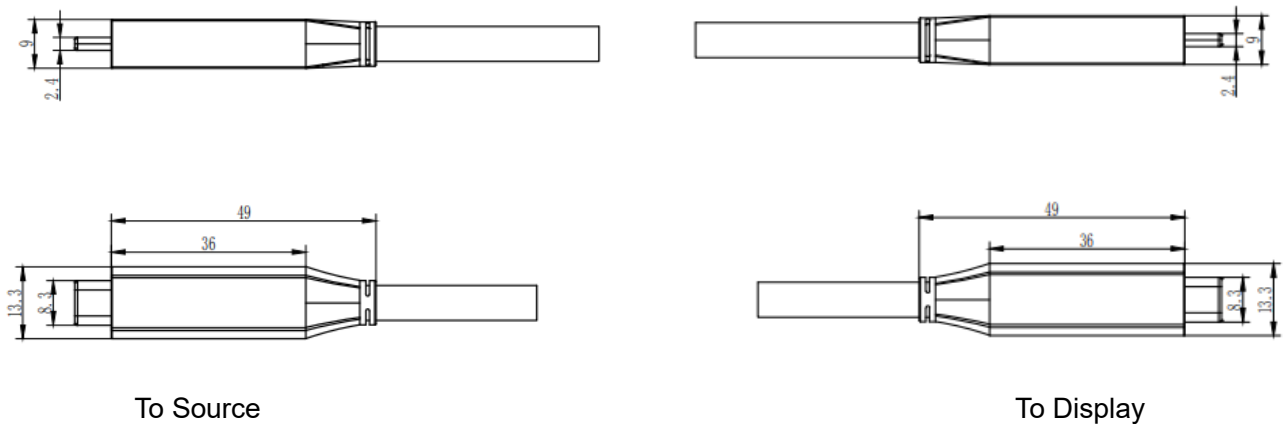
Absolute Maximum Rating

Parameter	Symbol	Min	Max	Unit
Power Supply Voltage	VCC	3.0	5.5	V
Operating Temperature	Top	0	50	°C
Storage Temperature	Ts	-40	70	°C
Relative Humidity	Hs	10	80	%RH

Specifications

Item	Description
Cable Length	up to 15m
Interface	USB type-C plug – USB type-C plug
Bandwidth	U3:5Gbps; U2: 480Mbps; DP1.4 8.1Gbps X 2
Power Delivery	PD3.0, 20V 3A
Power Supply	By Vconn(3.0 V to 5.5V)
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
Bend Radius	10OD
Tensile Strength	200N

Drawing



Available lengths:

Part Number	Description
TA-CP187D	USB3.2 Gen1 Type C (5G Data + 4K Video + PD 60W) AOC, Length 5m
TA-CP187G	USB3.2 Gen1 Type C (5G Data + 4K Video + PD 60W) AOC, Length 7,5m
TA-CP187E	USB3.2 Gen1 Type C (5G Data + 4K Video + PD 60W) AOC, Length 10m
TA-CP187F	USB3.2 Gen1 Type C (5G Data + 4K Video + PD 60W) AOC, Length 15m