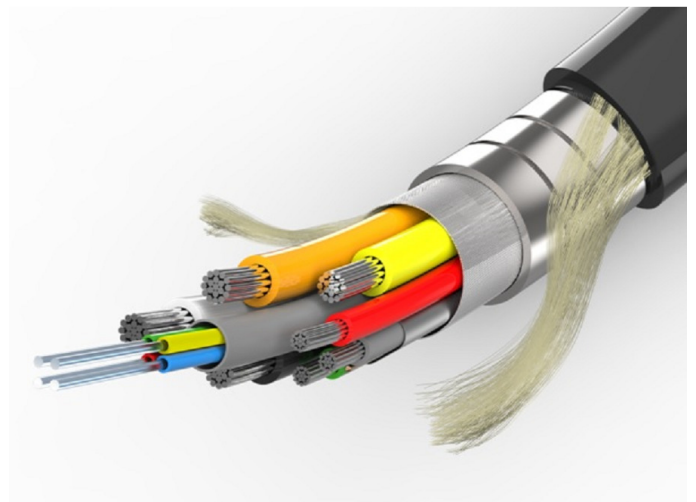


Model : ATZ AOC-AR-DP1.4-xxM (xx: Length)

Description: Armored Displayport Active Optical Cable DP1.4- 8K@60hz, 32.4Gbps
(5m/10m/15m/20m/25m/30m/40m/50m/60m/70m/80m/90m/100m)



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Description: Armored Displayport Active Optical Cable DP1.4- 8K@60hz, 32.4Gbps
(5m/10m/15m/20m/25m/30m/40m/50m/60m/70m/80m/90m/100m)

Optional: Cable Reel & IP68 Waterproof cap



This is a hybrid Armored DP 1.4 AOC Audio/Video cable for Indoor/Outdoor, and able to transmit UHD signal through optical fiber, over long lengths up to 100m, with no RFI, EMI interference, giving stable and better signal quality, supporting 32.4Gbps bandwidth, 8K@60 video resolution in DP 1.4 Standard.

It is a mature & competitive solution in the high speed data transmission market. Plug and play, with no need for external power. This Hybrid cable can be applied to outdoor Displays, staging and rental projects.

Features:

- Support 8K@60Hz , Supports HBR3, HDCP 1.4 / 2.2; very good compatibility;
- Support DP 1.4 standard, bandwidth can reach 32.4Gbps (8.1 Gbps per channel);
- Support length up to 100m max , length custom is available ;
- Hybrid fiber and copper, much more slim and light ;
- Cable OD 5.8 mm, stainless steel reinforced.
- Low RFI / EMI profile for sensitive applications
- Plug and play.
- Both DP connectors can be further protected by IP68-rated waterproof hood and caps.

Applications:

- Medical Imaging Equipment;
- Airplane On-board Video System;
- Car Service Center big screen show Video System;
- TV Broadcast Station;
- Conference room Video System;

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- Blue-ray, 3D video, Projector, Set-up box, DVR, Game Consoles and Computer;
- Digital Home Theatre;
- LED signboards and panel information displays for Airports, Stadiums and Outdoor;
- Advertising, Auditorium, and Kiosk;
- Traffic control;
- Factory Automation Systems.

***Remarks:** This is a uni-directional cable. Please ensure correct connection with connector ends labelled with “source” and “display”.
The cable will not be damaged, nor will it cause the connected devices to be damaged, due to wrong connection.

Specifications:

1. Performance

Standards Compliance	DisplayPort 1.4 / HBR3, HDCP 1.4 / 2.2
Maximum Pixel Clock Frequency	810 MHz
Maximum Video Bit Rate	Supports up to 8.1 Gbps per lane, 32.4Gbps Total
Maximum Color Depth	48bits
Maximum Supported Resolutions	8K@60Hz

2. Connections

DisplayPort Input / Output	20-pin DisplayPort
Power	No external power supply required

3. AUX Channel Support

AUX Channel Communications	Supports bidirectional communications for EDID, HDCP, Link training, etc.
HDCP Support	HDCP 1.4 and HDCP 2.2

4. Optical

Optical Technology	4x Discrete Optical Channels, 10GHz, 850nm
Optical Transmitter	Tx Module: 4 x 850nm Multi-Mode VCSELs

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Optical Receiver	Rx Module: 4 x GaAs PIN Photo Diodes
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5. Cable

Fiber Cable Type	Hybrid cable 4 X fiber and 8 x copper wire
Cable Jacket	TPU, Black
Maximum Cable Length	100 meters

6. Mechanical – Cable

Product Weight	Varies with length
Maximum Tensile Load	300N
Minimum Bend Radius	48mm
Cable Outside Diameter	5.8mm

7. Environmental

Parameter	Symbol	Min	Max	Unit
Operating Temperature	Top	0	50	°C
Storage Temperature	Ts	-40	70	°C
Relative Humidity	Hs	10	80	%RH

8. Power Requirements

Power Source	Powered from DisplayPort source device
Power Consumption	< 0.5 watt each end

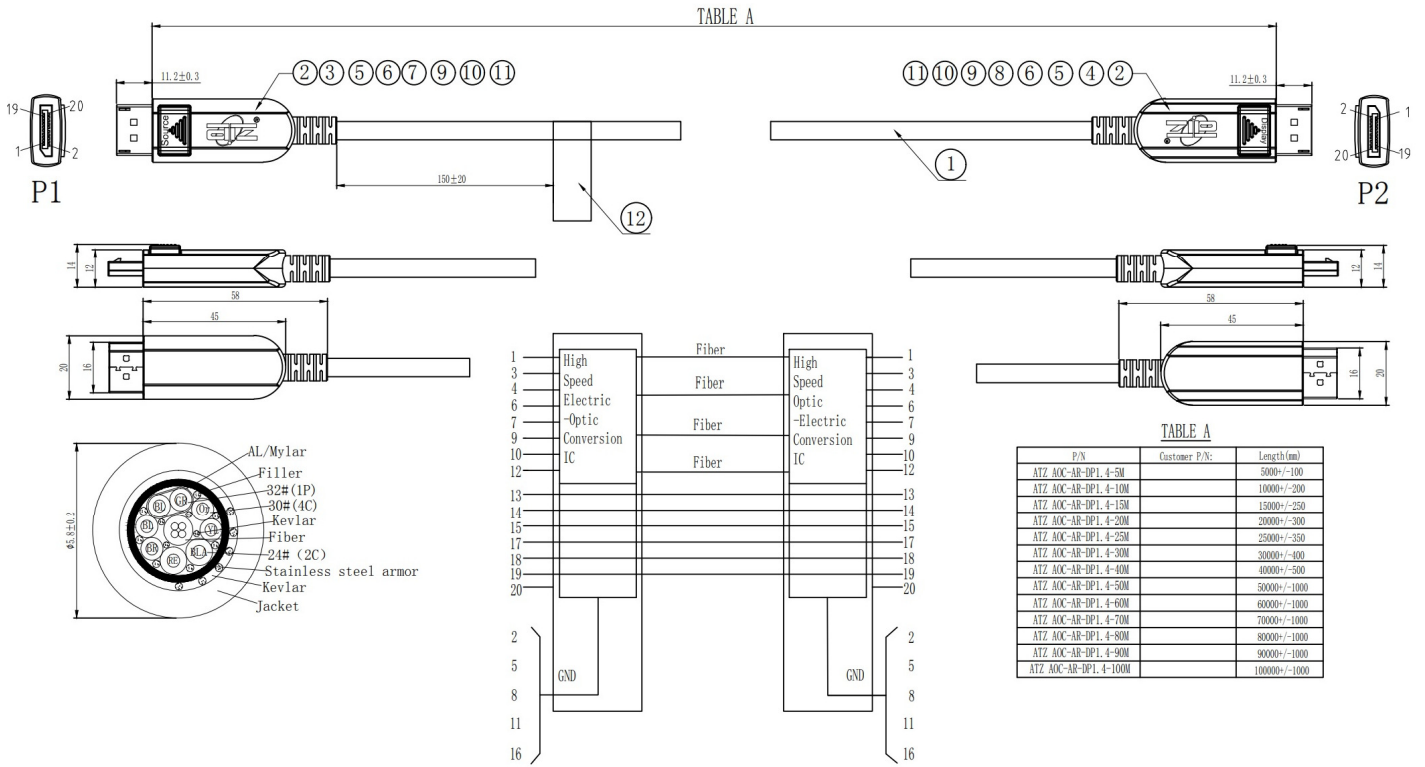
Package Includes:

1x Armored Displayport1.4 Active Optical Cable.

Model : ATZ AOC-AR-DP1.4-xxM (xx: Length)

Description: Armored Displayport Active Optical Cable DP1.4- 8K@60hz, 32.4Gbps
(5m/10m/15m/20m/25m/30m/40m/50m/60m/70m/80m/90m/100m)

Product Diagram:

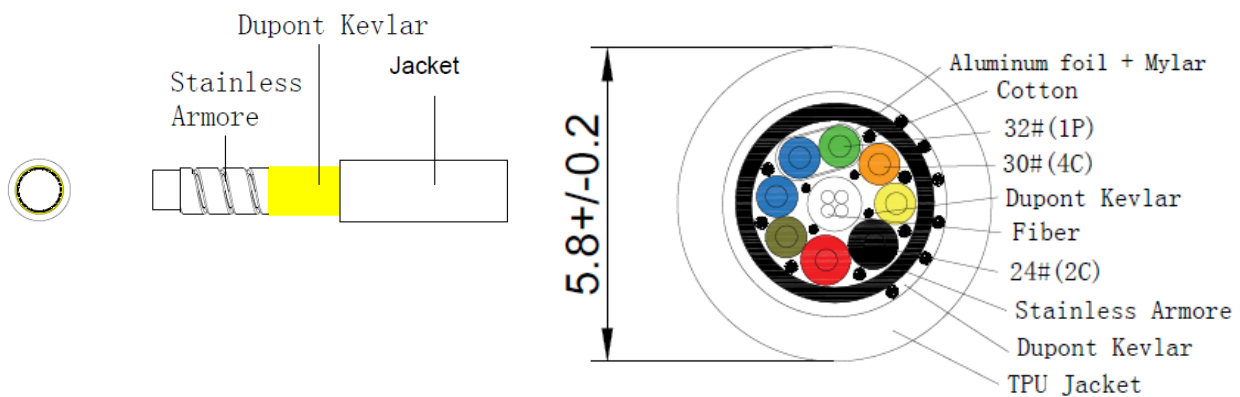
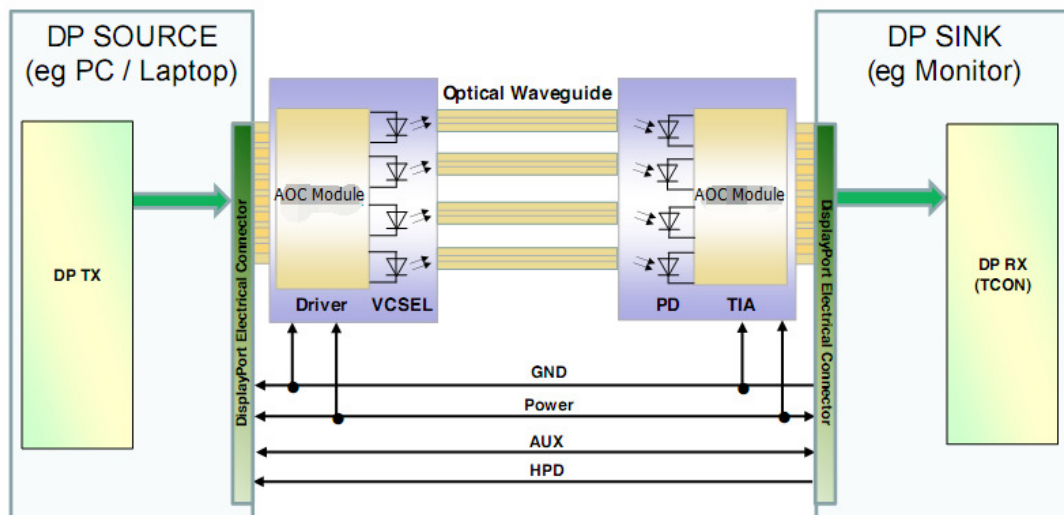


PIN	Function	PIN	Function
1	ML_Lane 0 (P)	11	GND
2	GND	12	ML_Lane 3 (n)
3	ML_Lane 0 (n)	13	GND
4	ML_Lane 1 (p)	14	GND
5	GND	15	AUX_CH (p)
6	ML_Lane 1 (n)	16	GND
7	ML_Lane 2 (p)	17	AUX_CH (n)
8	GND	18	Hot Plug Detect
9	ML_Lane 2 (n)	19	DP Power Return
10	ML_Lane 3 (p)	20	DP Power

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(5m/10m/15m/20m/25m/30m/40m/50m/60m/70m/80m/90m/100m)

Hybrid Cable profile:



Warranty: 2 Years

Warranty is effective from the date of original delivery.

This warranty shall be void if a serial number has been removed from the product.