

# 8K DisplayPort 1.4 Plenum Active Optical Cable

XTENDEX®

## Extend an Ultra-HD 8K 4320p 60Hz DisplayPort display up to 100 meters (328 feet)

- High speed and long distance transmission by optical system up to 100 meters (328 feet).
  - Hybrid cable containing both fiber optic and copper cores.
- Supports resolutions up to Ultra-HD 8K (7680x4320) @60Hz, 4Kx2K (4096x2160 and 3840x2160) @120Hz, and HDTV 1080p @240Hz.
- No loss of signal – delivering crystal clear digital images instantly.
- No external power required.
- DisplayPort features supported:
  - DisplayPort 1.4
  - Up to 16-bit Color and 48-bit Deep Color
  - BT.2020, YCbCr 4:4:4, and YCbCr 4:2:2
  - High-bandwidth HBR3
    - ♦ Bandwidth up to 8.1Gbps per channel (32.4Gbps total)
  - DSC 1.2 display stream compression
  - FEC forward error correction
  - HDR
  - 32 audio channels.
- HDCP 2.2 compliant.
- Optical fibers immune to signal noise.
- Low RFI/EMI for sensitive applications.
- Supports Plug-n-Play specification.
- EDID learning for the support of any DisplayPort display device.
- Thin and ultra-lightweight construction.
- CMP-rated flame-retardant plenum PVC jacket.
- Ideal solution for many applications, including:
  - Digital Signage
  - Medical Imaging Equipment
  - Airplane On-board Video System
  - Home Theater
  - TV Broadcast Station
  - Conference Room Video Equipment



### XTENDEX® DP8K-FOCMP-20M-MM

- Extend Ultra-HD 8K 4320p 60Hz to 100 meters
- 32Gbps bandwidth
- HDCP 2.2
- Plenum CMP-rated

The XTENDEX® 8K DisplayPort Plenum Active Optical Cable locates an Ultra-HD 8K 4320p 60Hz DisplayPort display up to 100 meters (328 feet) from a video source. Using optical fiber, the DP8K-FOCMP-xxM-MM provides high reliability DisplayPort signal transmission with zero signal loss in high noise environments.

## Specifications

- Connectors: Male DisplayPort connectors.
- Resolutions: supports resolutions up to Ultra-HD 8K (7680x4320) @60Hz, 4Kx2K (4096x2160 and 3840x2160) @120Hz, and HDTV 1080p @240Hz.
- Supports HDCP 2.2/1.4
- Video bandwidth: 8.1Gbps per channel (32.4Gbps total)
- Cable Diameter: 4.8mm (0.189 in)
- Connector Width: 21mm (0.827 in)
- Bend Radius: up to 48mm (1.89 in)
- CMP-rated flame-retardant plenum PVC jacket.
- Available lengths: 20/25/30/50/100 meters
- Use two cables in parallel to support Dell Ultra Sharp UP3218K 8K monitor.

### Environmental

- Operating temperature: 32 to 122°F (0 to 50°C)
- Storage temperature: -4 to 185°F (-20 to 85°C).
- Operating and storage humidity: 5% to 85% non-condensing RH.

### Regulatory Approvals

- CE, FCC, RoHS

### Warranty

- Two years